ILLINOIS ENVIRONMENTAL PROTECTION AGENCY

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ROD R. BLAGOJEVICH, GOVERNOR

DOUGLAS P. SCOTT, DIRECTOR

217-524-1655

May 23, 2008

EPA Region 5 Records Ctr.

The Honorable James J. Eder Associate Judge Fourth Judicial Circuit of Illinois Montgomery County Courthouse 120 North Main Street Hillsboro, Illinois 62049

Re:

1358070001 – Montgomery County

Eagle Zinc National Priorities List Site

Superfund/Technical Reports

Judge Eder:

The purpose of this letter is to convey the results of the inspection and investigation of the Eagle Zinc National Priorities List (NPL) Site by the Illinois Environmental Protection Agency (Illinois EPA) to the Court as authorized and required by Administrative Search Warrant Number 08-MR-36, issued on April 17, 2008.

On April 30, 2008, Thomas Crause of the Illinois EPA Office of Site Evaluation, Richard Johnson of the Illinois EPA Field Operations Section Springfield Regional Office, and Clarence Smith, Terry Ayers, and Rick Lanham of the Illinois EPA Federal Site Remediation Section met at the Eagle Zinc NPL Site to collect data on waste materials located in and around the remaining structures, and to evaluate the remaining equipment and structures for demolition, salvage and/or scrap metal value at the abandoned facility. Also present during these investigations were Connie Hill, Public Property Commissioner for the City of Hillsboro; Morris Dodd, the project manager for the City of Hillsboro and a former Eagle Zinc Facility Superintendent; Bill Gonet, a Solid Waste Inspector with the Montgomery County Coordinated Services Office; and Beth Eckley, an engineer with Environ International Corporation, the environmental consulting firm for T. L. Diamond Corporation for the site.

Summary of Field Sampling Activities

Over the three-day period of April 30, 2008 through May 2, 2008, and with the use of the Niton Corporation X-Ray fluorescence (XRF) field-based site characterization instrument, the sampling team collected and analyzed waste materials for heavy metal concentrations at 65 distinct locations on the eastern one-third of the property. In addition to conducting the XRF analysis of the wastes materials, the sampling team collected and sent ten of these samples to

May 23, 2008. Letter to the Honorable James J. Eder Regarding the Eagle Zinc National Priorities List Site Page 2 of 3

Prairie Analytical Laboratories in Springfield, Illinois for total metals conformation and a waste characterization determination.

A Trimble survey grade global positioning system (GPS) instrument was used to mark and record the location of all outdoor sample locations. Indoor sample locations were identified and marked through the collective memories of the sampling team.

The XRF analysis of the waste documented a number of these samples contained total lead concentrations in excess of current regulatory limits. The laboratory analysis also documented the fact that the majority of the conformation samples would be classified as hazardous waste by current program definition.

It should be pointed out however, that a strong correlation did not exist between the XRF readings and the laboratory analysis at a number of the samples locations. With total lead concentrations as documented through the laboratory analysis routinely running two to five times greater than the concentrations documented with the XRF. A discussion with Niton Corporation technical representatives indicated that this condition was in all likelihood a result of the extremely high zinc concentrations being present in a number of the samples, therefore masking the true lead concentration levels.

Attachment 1 to this letter is a table that summarizes concentrations of a number of metals as documented with the Niton X-Ray fluorescence instrument. Also included in this table are the totals and toxicity characteristic leaching procedure (TCLP) metal analysis from the ten laboratory confirmation samples that were taken during the sampling event.

Figures 1 and 2 are maps which denote the locations of XRF samples. Included in these figures are the assigned XRF sample number identifier and the lead concentrations as documented with the XRF.

Summary of Field Structural Investigation Activities

As a component of the Illinois EPA activities on-site, two Illinois EPA response action contracting firms were present to evaluate the condition of the abandoned equipment for scrap metal and/or salvage value, to estimate the cost of building demolition, with the segregation of the demolition debris into the categories of asbestos containing materials (ACM) for off-site disposal, putrescible wastes for off-site disposal, and non-putrescible building demolition debris for recycling or on-site disposal.

Attachment 2 to this letter is the estimate of REACT Environmental Engineers, 1120 South 6th Street, Saint Louis, Missouri and Attachment 3 to this letter is the estimate of Bodine

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Environmental Services, Inc. 5350 East Firehouse Road, Decatur, Illinois to accomplish these proposed tasks.

If you should have any questions, need any additional information or wish to discuss any of these matters further please contact me at 217-524-1655 or via electronic mail at: clarence.smith@illinois.gov.

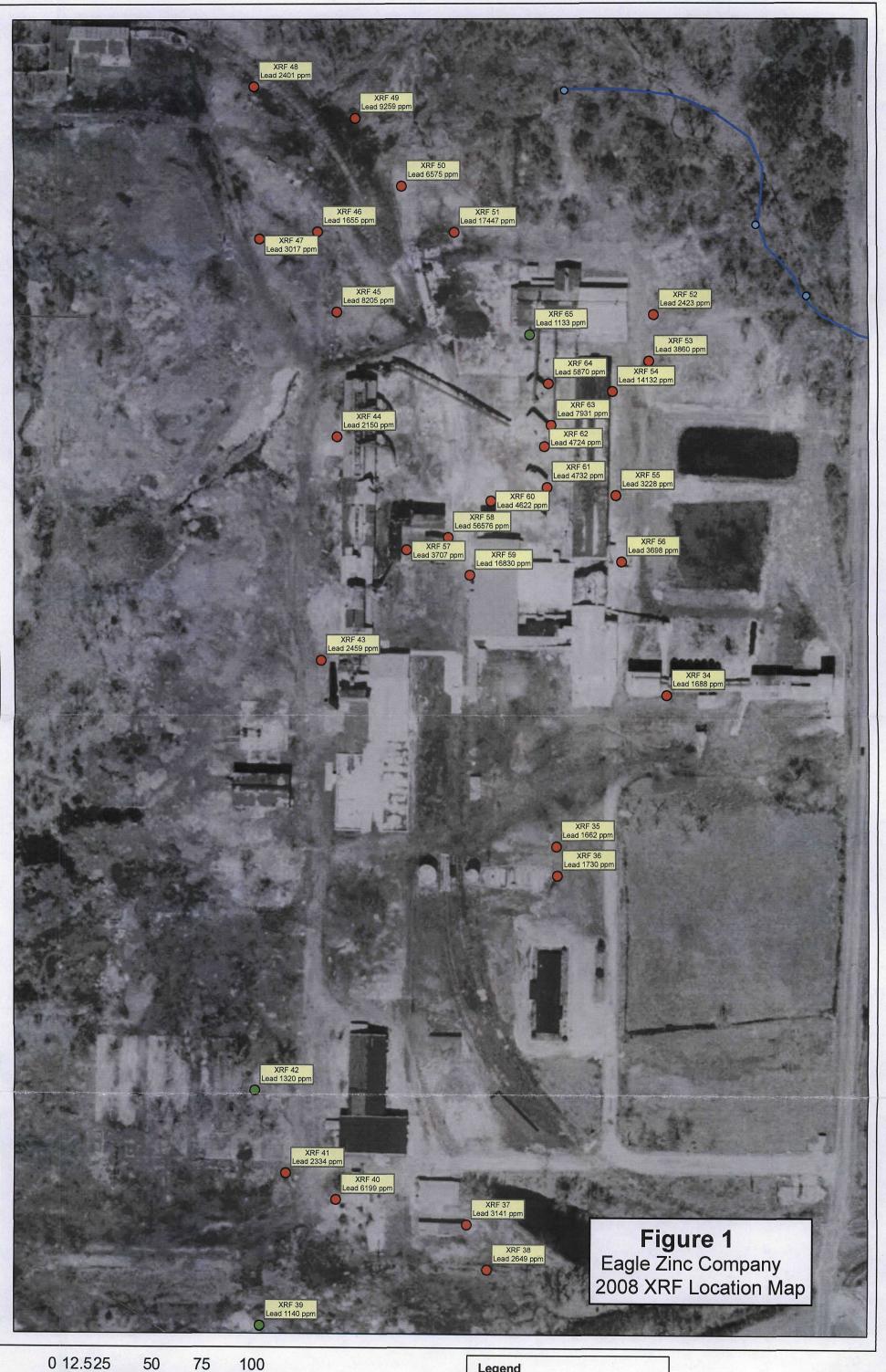
Respectfully,

Clarence L. Smith, Manager Federal Site Remediation Section Division of Remediation Management Bureau of Land

Figures (2) Attachments (3)

cc: The Honorable William M. Baran Mayor City of Hillsboro Post Office Box 556 Hillsboro, Illinois 62049

> Ms. Allison Beth Eckley, EIT Environ International Corporation 5401 Veterans Memorial Parkway, Suite 201 Saint Peters, Missouri 63376



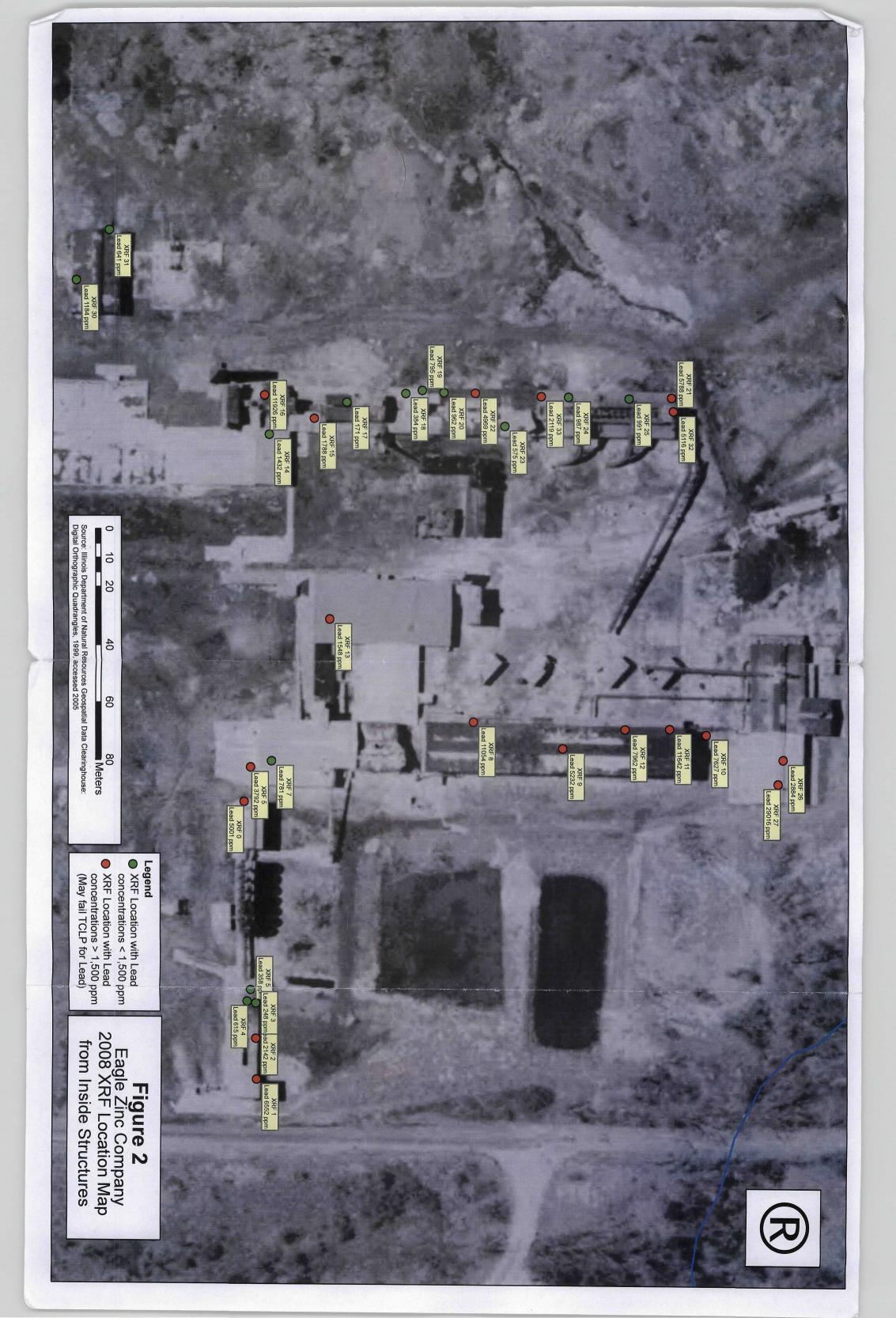
100 Meters

Source: Illinois Department of Natural Resources Geospatial Data Clearinghouse: Digital Orthographic Quadrangles, 1999, accessed 2005

Legend

- XRF Location with Lead concentrations < 1,500 ppm</p>
- XRF Location with Lead concentrations > 1,500 ppm (May fail TCLP for Lead)





			EAGLE Z	INC SITE:						
Map Number		Pb	As	Zn	Cu	Ni	Cr	Ba	Cd	TCLP
XRF 001 XRF 002	ppm	6552 2142	198	1556094 634212	1259 751	419 1053	4099 2720		137	
XRF 002	ppm ppm	248	3	281809	5111	2094	1201	200		
XRF 004	ppm	615	26	383566	857	77	571		142	
XRF 005	ppm	358	19	416348	127	16	133		53	
XRF 006	ppm	3792		1817547	933	478	3565			
XRF 007	ppm	781	70	310744	275	202	1246		59	
XRF 008	ppm	11054	0.1	666681	6216	2920	1958	221	14	FG (
XRF 008C	ppm	27700	61	332000	5010	1460	2022	655	140 253	56.0
XRF 009 XRF 010	ppm	5232 7627	138	1677085 685126	1481 1766	1146 1603	2621	136	103	
XRF 010	ppm	11642	131	1445490	2553	-42	3350	100	198	
XRF 012	ppm	7962	168	876729	15619	6947	2622		54	
XRF 013	ppm	1548		1883523	1239	110	2144			
XRF 014	ppm	1432		409707	1397	120	2471	190	203	
XRF 015	ppm	1788	68	444812	1770	553	524	205	131	
XRF 016	ppm	11926	546	589829	2321	1373	1944		24	
XRF 017	ppm	171		698262	8165	10513	2287	293	26	
XRF 018	ppm	384	22	702091	6122 3764	2996 1420	2415 427	149	16	
XRF 019 XRF 020	ppm	795 962	23	324037 772174	1703	3078	2655	149	66	
XRF 020	ppm	5788	202	373476	75	2377	6607		00	
XRF 021	ppm	4969	196	428556	2011	786	1381	162	100	
XRF 023	ppm	575	25	206463	5198	1952	1543	313		
XRF 024	ppm	987		2258555	183	392	1513			
XRF 025	ppm	991	0	282480	2008	2395	849	160	13	
XRF 026	ppm	2884	113	117072	179644	1986	1559		51	
XRF 027	ppm	29016	526	1037859	26600	11559	7087		41	
XRF 028	ppm	5671	214	816391	8558	2861	2804	3655	44	0
XRF 028C	ppm	6750	47	273000	4000	638	75	4670	133	9.
XRF 029 XRF 030	ppm	584 1184	30	334927 1779565	1448 1692	513 -584	1505 129	419	2	
XRF 030	ppm ppm	641	44	715180	1792	1192	1329		21	
XRF 000	ppm	5001	195	627962	1301	332	805		4	
XRF 034	ppm	1688	13	602841	1135	454	237		11	
XRF 035	ppm	1662	67	205106	2952	250	583	236	4	
XRF 036	ppm	1730	55	269767	3693	414	484	235	11	250 CH
XRF 037	ppm	3141	131	100785	825	-23	411	298	65	
XRF 038 XRF 039	ppm	2649	39 36	28110	465 953	78 412	168 229	390	25	
XRF 040	ppm	1140 6199	282	330531 139802	842	53	295	227 440	144	
XRF 041	ppm	2334	44	86946	994	37	177	426	240	
XRF 042	ppm	1320	70	127641	901	378	190	120	105	
XRF 043	ppm	2459	104	196580	48343	20215	2597	559	50	
XRF 043C	ppm	3860	62	70600	49900	17800	288	537	14	8.
XRF 033	ppm	2119	60	240640	2399	75	397	242	263	
XRF 033C	ppm	5460	4	137000	1280	49	6	107	284	20.
XRF 044	ppm	2150	39	454792	1859	2120	746		72	
XRF 032	ppm	5116	124	331536	1595	3649	-24	129	7	
XRF 045 XRF 047	ppm	8205	58	524161	18362	9734	1745	121	6	
XRF 047C	ppm ppm	3017 15500	83 28	237868 183000	7807 27300	2855 15300	616 419	195 160	36 69	7.
XRF 048	ppm	2401	20	306170	4202	1476	471	168	13	1.
XRF 049	ppm	9259	287	543159	32969	9313	-351	100	38	
XRF 050	ppm	6575	142	577278	25274	9338	2404			
XRF 050C	ppm	15200	36	314000	36100	13800	365	85	40	4.
XFR 051	ppm	17447	712	624661	25575	19704	2493	120		
XRF 052	ppm	2423	72	374672	6715	2015	1525	207		
XRF 053	ppm	3860	43	450937	13344	6966	770			
XRF 054	ppm	14132	98	451511	14831	9539	2207	4=0	35	
XRF 055	ppm	3228	24	423580	2731	306	653	172	22	
XRF 056C	ppm	12200	38	816477 403000	2115 2320	470 281	778 15	110	78	44
XRF 057	ppm	3707	152	295775	609	153	593	110 151	108	11.
XRF 058	ppm	56576	2015	230400	1551	268	360	108	11	
XRF 059	ppm	16830	457	979131	1095	506	1004	100	43	
XRF 060	ppm	4622	55	660123	1765	789	576	112	43	
XRF 060C	ppm	8200	13	130000	900	167	14	57	42	10.
XRF 061	ppm	4732	19	678888	2484	601	202		45	
XRF 061C	ppm	10300	19	290000	1610	291	19	175	120	26.
XRF 062	ppm	4724	102	708869	1868	560	1180			
XRF 063	ppm	7931	340	218328	997	133	28	287	6	
XRF 063C	ppm	11700	41	357000	890	309	104	383	64	8.
XRF 064	ppm	5870	174	254351	3225	824	512	290	75 F 1 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3	
XRF 065	ppm	1133	8	619345	2550	1235	831	98	49	
XRF 046	ppm	1655	73	207324	5430	1260	591	199	13	



May 20, 2008 REACT Proposal No. 8046.17

Mr. Clarence L. Smith
Manager, Federal Sites Unit
Remediation Section
Illinois Environmental Protection Agency
Bureau of Land
1021 North Grand Avenue East
Springfield, IL 62794-9276

RE: EAGLE ZINC NPL SITE; HILLSBORO, IL

Clarence:

This letter is to transmit three (3) copies of or Proposal Work Plan for the Eagle Zinc NPL Site in Montgomery County, Hillsboro, Illinois.

Included are the following:

Proposal Work Plan
Estimated Project Budget
Proposed Project Schedule

Thanks for the opportunity to present this PWP. This project, with its' emphasis on recycling/recovery fits our mission in business:

"...to better man's health and the environment by providing quality environmental engineering and field services, a commitment to worthy objectives, receptivity to innovation and stewardship of all resources"

We look forward to working with you on this project. Feel free to call me at 314-678-1398 ext. 322 or Tony Warren (ext. 336) should you have questions or require further information.

Stewart Ryckman

President

Sincerely

enclosure

RECEIVED

MAY 2 I 2008

IEPA-BOL-FSRS

1120 S. 6th Street
St. Louis, MO 63104-3628
(314) 678-1398
(314) 678-6610 FAX
info@react-env.com
(800) 325-1398 24 Hour

Attachment 2
REACT Demolition Cost Estimate
Eagle Zinc NPL Site
Hillsboro, Illinois

Proposed Work Plan

Eagle Zinc NPL Site Hillsboro, IL

Prepared For:

Illinois Environmental Protection Agency 1021 North Grand Ave. East Springfield, IL 62794

Prepared By:

REACT Environmental Engineers 1120 South 6th Street St. Louis, MO 63104

May 2008

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Task 4 - Building Demolition	
Task 7 - Project Demobilization	

Figure 1: Site Map with Work Areas/Buildings

Attachment A: Main Structure Demolition/Remediation Cost Estimate

Attachment B: Proposed Schedule

Introduction

REACT Environmental Engineers (REACT) was contracted by the Illinois Environmental Protection Agency (IEPA) to develop a Proposal Work Plan (PWP) for the remediation, demolition, salvage, and on/off-site disposal of building materials located at the Eagle Zinc NPL Site in Hillsboro, Montgomery County, Illinois. Our cost estimate has been developed using the 2009 wage rates for contract HWA-6305.

IEPA, REACT Environmental Engineers and Bodine Environmental had access to the site Wednesday, Thursday and Friday April 30 – May 2, 2008.

Building Asbestos Survey

A preliminary visual inspection of the site buildings was conducted as part of the site access activities. Limited suspect asbestos containing materials (ACM) were observed. Suspect ACM included:

•	Floor Tile/Mastic (Office Bldg)	11,250 SF (not in scope)
•	Ceiling Tile (Office Bldg)	11,250 SF (not in scope)
•	Thermal Pipe Insulation and Fittings	200 LF
•	Asphalt Roofing	23,250 SF

Several areas were inaccessible due to safety concerns including the kilns, basements and crawls spaces. The above listing may not identify all suspect ACM.

Proposed Work Plan

Our approach and cost estimate is divided into the following tasks:

- Item 1: Project Planning/Mobilization/Site Preparation/Non-Task Specific Activities
- Item 2: Building Asbestos Abatement of Accessible Areas
- Item 3: Removal of Rotary Kiln Building A & B
- Item 4: Removal of Rail Lines
- Item 5: Removal of Misc. Steel Buildings
- Item 6: Removal of Baghouse Building
- Item 7: Removal of Brick Buildings
- Item 8: Cleaning of ASTs and Disposal of Waste
- Item 9: Project Demobilization

The work areas and buildings are identified on Figure 1. The overall duration of the project is estimated at 4 months (See Attachment B). The work is proposed to be generally executed in the order of the above task outline. Task scheduling for "minor tasks" will remain flexible to allow for tasks to be moved forward or back to maintain a consistent work flow (i.e. Rail line removal or Removal of the Brick Buildings may occur



intermittently as other tasks proceed and equipment/personnel become available). Project personnel include the following:

Project Manager
Project Site Manager/H&S Officer
4 Heavy Equipment Operators
4 Laborers
1 Truck Driver

All on-site personnel will have OSHA 40 Hour HazMat training and will be experienced heavy equipment operators.

REACT's approach is summarized as follows:

- Identify/Sample and perform asbestos abatement on safely accessible areas on buildings included in the remediation/demolition scope of work
- Remove, containerize, and properly dispose/recycle PCB containing light ballasts/capacitors, mercury containing light tubes, and mercury containing thermostats from safely accessible buildings in the remediation/demolition scope of work. Any of these items located in currently inaccessible or unsafe areas will be segregated from other debris as demolition proceeds.
- Perform "wet demolition" of site structures, with all resulting non-putrescible debris, excepting for scrap metals and ACM to be disposed of on-site in the designated area. Scrap metals will be segregated from other debris and deconned (if required) to be sent off-site for recycling.
- Major structures to be demolished to grade. Slabs to be left in place.
- Building steel to be processed on-site for transportation to off-site recycling/scrap facilities.
- Remove for scrap value remaining rail from the site.
- Putrescible and non-putrescible wastes will be segregated during demolition activities.
- Brick/Concrete to be made available for recycling. Non-recyclable material to be disposed of on-site.
- Purtrescible materials (wood, fiber board, etc.) will be disposed of off-site.

Recycling of Building Materials

Prior to demolition activities, a processing area will be established at the existing concrete walled slab area south of Rotary Kiln A (See Figure 1) where steel will be "processed" into dimensions designated by the metal recycler to gain maximum cost recovery for recyclable steel. The steel will be "processed" by using an excavator equipped with a second member sheer. After the steel is "processed" the excavator will load trucks to transport the steel to the metal recycling facility.

REACT intends to recycle as much brick as possible. Several sources have expressed interest in the material. These sources will be given the opportunity to inspect the brick I:\Propproj.08\8046.17 IEPA Eagle Zinc\Proposed Work Plan Final.doc

and determine if they want to take the brick at no cost. Any brick that cannot be recycled will be taken to the on-site disposal area.

Remediation Plan Description

A cost estimate for proposed remedial activities is provided as Attachment A to this proposed work plan. The following sections describe the planned remedial option methodologies as related to the cost estimate budget items:

Item 1 – Project Planning/ Mobilization/Site Preparation/Non-Task Specific

The planning task includes the level of effort needed to prepare for site activities, including permit notifications, Work Plan preparation, and Health and Safety Plan preparation.

A utility (JULIE) search will be performed in order to identify any utilities that could be affected by site remediation activities. Service connections will be terminated at the site perimeter were feasible. Remaining service connections to the buildings including; electric, gas, water, and sewer will be properly disconnected from each building.

General work site H&S requirements will include site controls to prevent unauthorized access to the site using orange construction fencing at points of access to the site. Signs will also be posted identifying the work and directing visitors to check in at the on-site office trailer. An additional "danger tape" barrier will be placed around active work areas to separate hard hat/PPE required work areas from general staging areas.

To reduce on-site dust and the potential for airborne transport of contamination, all demolition activities will be continuously sprayed with a sufficient mist of water. Initial site work area, perimeter and task specific air monitoring will be conducted to confirm airborne levels of zinc oxide and lead. Air monitoring results will be utilized to confirm appropriate PPE and any additional dust or contaminant migration controls.

Site personnel will be required to conduct work activities in EPA Level D PPE (hard hat, safety glasses, steel-toed boots) and tyvek coveralls. Prior to eating or drinking site personnel will be required to wash their hands and face, and; prior to exiting the site for the day they will be required to remove PPE and shower.

Daily and task specific H&S meetings will be conducted for all personnel to review site, activity, equipment and material hazards.

Site personnel will utilize cell phones with radio communication to maintain security and safety.

This task also includes costs required to mobilize to the site and to prepare the site for remedial activities. A temporary office trailer will be mobilized to the site and set up, temporary portable toilet service and site personnel showers/decon facilities will be established, and the heavy equipment needed for site remediation will be mobilized to the site.

Non-task specific costs under this budget item include; Miscellaneous hazardous materials collection/transport/disposal (i.e., mercury containing light bulbs, PCB containing light ballasts, electrical capacitors and switching equipment, mercury containing thermostats), office trailer, site controls utility service charges, site vehicles, site showers/decon facilities and portable toilet service. Additionally, the anticipated project management, safety, and clerical time are all included under this item.

Item 2 - Building Asbestos Abatement of Accessible Areas

Prior to performing any other site remediation, the accessible building areas will be inspected and suspect ACM will be sampled to confirm asbestos content. Areas requiring asbestos abatement will be fully abated by a licensed abatement contractor. ACM waste will be disposed of off-site at a licensed facility.

Work area and clearance air sampling will be performed during all abatement activities.

Item 3 – Removal of Rotary Kiln Buildings (A & B) Estimated duration: 30 days

Laborers will first remove and collect for proper disposal, all remaining accessible potential mercury containing light bulbs, PCB containing light ballasts, electrical capacitors and switching equipment, mercury containing thermostats and any other miscellaneous identified or potential hazardous materials remaining in the structure. Collected hazardous waste will be properly containerized in drums, profiled, manifested and picked up for proper disposal.

Incoming piping and ductwork will be removed from around the Rotary Kiln Buildings to provide a 30 foot working zone to gain clear access for demolition. Two excavators equipped with third member sheers will be used to remove the ductwork and piping in these areas and sheer the metal into manageable sized pieces to be moved to the processing area. A third excavator equipped with a grapple bucket will be used to move the steel to the processing area.

One excavator with the third member sheer will begin removal of Rotary Kiln Building A, and the second excavator equipped with a third member sheer will begin removal of Rotary Kiln Building B.

These buildings are primarily constructed of steel and will be removed from the top down to grade. The third member sheers will be used to sheer the steel, including the rotary kilns, into manageable sizes for transport to the processing area. The steel will be brought to the processing area for shipment to the recycling facility.

General construction debris, including the kiln brick will segregated into putrescible and non-putrescible waste piles during demolition activities. All putrescible wastes will be transported to the Allied Waste landfill in Litchfield, IL for disposal.

After removal of all steel, any remaining concrete foundation walls will be broken down to grade by utilizing the excavator with grapple bucket. Concrete chunks will be partially broken up by the heavy equipment and, as needed, with the aid of a concrete breaker and transported to the on-site disposal area. The heavy equipment will pull structural steel and other recyclable scrap metal out from the debris. Any protruding reinforcing steel will be cut off with a torch. Collected scrap metal will be sent off for recycling.

Rotary Kiln A contains a basement area that could not be accessed during the site walk through. This basement area will be exposed and any salvageable steel will be removed and taken to the recycling area. The below grade portion will be filled with non-salvageable brick and other stable site material.

Item 4 – Removal of Rail Lines Estimated duration: 10 days

A third member sheer will be used to cut the rail lines to correct length for transportation to the recycling facility. The lines will be directly loaded onto the steel hauling truck for transportation to the recycling facility.

Rail ties will be removed, collected and disposed of at the Allied Waste landfill in Litchfield, IL. Ties will be crushed to minimize waste volume.

Item 5 – Removal of Misc. Steel Buildings Estimated duration: 30 days

Laborers will first remove and collect for proper disposal, all remaining accessible potential mercury containing light bulbs, PCB containing light ballasts, electrical capacitors and switching equipment, mercury containing thermostats and any other miscellaneous identified or potential hazardous materials remaining in the structure. Collected hazardous waste will be properly containerized in drums, documented and picked up for proper disposal.



These steel buildings will be removed in the same fashion as the rotary kiln buildings. All structural steel will be cut to a manageable size using the excavators with third member sheers and transported to the processing area.

Any general demolition debris will be segregated and transported to the on-site disposal area. On-site material will be crushed to minimize volume. Concrete chunks will be partially broken up by the heavy equipment and, as needed, with the aid of a concrete breaker and transported to the on-site disposal area. The heavy equipment will pull structural steel and other recyclable scrap metal out from the debris. Any protruding reinforcing steel will be cut off with a torch. Collected scrap metal will be sent off for recycling.

At this time any overhead steel pipe runs will be removed using the third member sheers and transported to the processing area.

The small brick buildings just west of the Baghouse will be removed and any steel from these buildings will be transported to the processing area. A tracked front loader and a tandem dump truck will be used to transport brick back to the on site disposal area or the brick recycling area.

Item 6 – Removal of Baghouse Building Estimated duration: 20 days

Laborers will first remove and collect for proper disposal, all remaining accessible potential mercury containing light bulbs, PCB containing light ballasts, electrical capacitors and switching equipment, mercury containing thermostats and any other miscellaneous identified or potential hazardous materials remaining in the structure. Collected hazardous waste will be properly containerized in drums, documented and picked up for proper disposal.

Any remaining incoming piping and ductwork will be removed from around the baghouse to provide a 30 foot working zone to gain clear access to all walls around the baghouse. Two excavators equipped with third member sheers will be used to remove all ductwork and piping from the baghouse and sheer the metal into manageable pieces to be moved to the processing area. A third excavator equipped with a grapple bucket will be used to move the steel to the processing area.

After gaining clear access to the baghouse walls, the brick will be stripped from the building exposing the buildings structural steel beams and skeleton. A tracked front loader and a tandem dump truck will be used to transport brick to the on-site disposal area or the brick recycling area.

When the majority of the structural steel frame of the building is exposed, the two excavators with the third member processors will begin removing the steel frame and interior steel structures (hoppers, catwalks and interior beams). Steel removal

will begin at the roof of the building and will work down to the buildings foundations. The steel will be moved to the processing area where it will be prepped for transport/recycling.

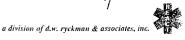
Any remaining concrete or brick walls will be broken off to grade by using the excavator equipped with grapple bucket. The tracked loader and dump truck will continue transport demolition debris to the on-site disposal area or brick recycling area. All putrescible wastes will be crushed to minimize volume and transported to the Allied Waste landfill in Litchfield, IL for disposal. Concrete chunks will be partially broken up by the heavy equipment and, as needed, with the aid of a concrete breaker and transported to the on-site disposal area. The heavy equipment will pull structural steel and other recyclable scrap metal out from the debris. Any protruding reinforcing steel will be cut off with a torch. Collected scrap metal will be sent off for recycling.

Item 7- Removal of Brick Buildings (Areas A, B, C) Estimated duration: 20 days

The three areas of brick buildings consist of several ancillary structures, (identified as Task 4: Brick Buildings Areas A, B, C on Figure 1). Laborers will first remove and collect for proper disposal, all remaining accessible potential mercury containing light bulbs, PCB containing light ballasts, electrical capacitors and switching equipment, mercury containing thermostats and any other miscellaneous identified or potential hazardous materials remaining in the structure. Collected hazardous waste will be properly containerized in drums, profiled, manifested and picked up for proper disposal.

The buildings will be removed by using an excavator equipped with a grapple bucket and a tracked loader. The structural steel will be segregated and taken to the processing area. All putrescible debris generated from the demolition of the brick structures, with the exception of any ACM (the asphalt roofs are suspect ACM), will be loaded onto dump trucks and transported to Allied Wastes landfill in Litchfield, IL. Each building will be taken down to grade. Concrete chunks will be partially broken up by the heavy equipment and, as needed, with the aid of a concrete breaker and transported to the on-site disposal area. The heavy equipment will pull structural steel and other recyclable scrap metal out from the debris. Any protruding reinforcing steel will be cut off with a torch. Collected scrap metal will be sent off for recycling.

The brick stack will be removed in a controlled demolition. An area will first be cleared to the east of the stack, giving it a place to fall. The area will be secured with safety fencing. The stack will be felled using the excavator equipped with a grapple bucket. After the stack is down, a track loader and dump truck will be used to transport the brick and construction debris for recycling or on-site disposal.



Item 8 - Cleaning of ASTs and Disposal of Waste

Both AST's contain unknown quantities of acid and waste oil. Each tank will be evaluated to determine the potential hazards, safely accessed and visually inspected to determine if any product remains. Personnel will be required to wear nitril gloves, saranex suits and full face respirators equipped with organic vapor cartridges during the evaluation of the tanks. Air monitoring equipment will be utilized to determine the appropriate PPE for continued operations. A man lift will be used to gain access to the man way on the top of each tank. Personnel will be required to wear a lanyard attached to the lift platform while in the lift.

After initial evaluation of the tanks, quantities of the contents will be estimated as well as the physical state of the contents. Samples will be collected from each tank and field tested for pH. A sample will then be submitted to Veolia Environmental Solutions in Sauget, IL for fingerprint analysis.

Veolia Environmental Solutions will then be subcontracted to neutralize and clean the inside of the acid tank and dispose of the contents as well as removing and disposal of the oil tanks contents.

After the contents of the tanks have been removed, an excavator with a third member sheer will be used to remove each tank. An excavator equipped with a grapple bucket will be used to remove the concrete pillars that the tanks rested on to grade. Concrete chunks will be partially broken up by the heavy equipment and, as needed, with the aid of a concrete breaker and transported to the on-site disposal area. The heavy equipment will pull structural steel and other recyclable scrap metal out from the debris. Any protruding reinforcing steel will be cut off with a torch. Collected scrap metal will be sent off for recycling.

Item 9 - Project Demobilization Estimated duration: 2 days

Upon the completion of site activities, all remaining temporary site facilities, including; office trailer, equipment trailer, portable toilets, etc. will be removed from the site. All heavy equipment will be demobilized upon the completion of tasks where it is required.

Project documentation, including asbestos abatement documentation, air sampling results and disposal manifests will be assembled for submittal.



Metal Cost Recovery

It is REACT Environmental Engineers estimate there is approximately 3700 tons of steel present at the Eagle Zinc Site available for cost recovery. REACT Environmental Engineers has been given a benchmark steel price of \$290.00/ ton from Grossman Steel and Iron in St. Louis Missouri. This currently makes available approximately \$1,073,000.00 cost recovery for this project.

However, due to the volatility in the steel market, this price may rise or fall in the coming months and a new benchmark price will have to be determined before project startup.

TerraServer Image Courtesy of the USGS

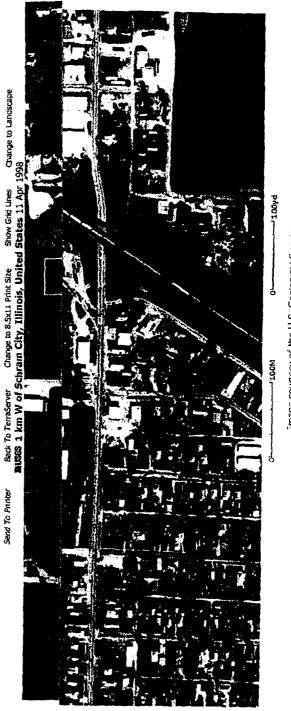


Image courtesy of the U.S. Geological Survey

http://terraserver-usa.com/printinnage.aspx?T=1&S=10&X=1430&Y=21687&Z=16&P=1+km+W+of+Schram+City%2c+Illinois... 5/6/2008

Image courtesy of the U.S. Geological Survey

ATTACHMENT A: Budget Estimate: Main Structure Demolition/Remediation Cost Estimate

	Description	Billing Reference	Units	Uo M	Labor Rate	ŧ	Init Rate	Subcontractor Total		TOTAL	EXTE	NDED
1	Mobilization/Site Preparation/Non-Task Specific		1	est					Tota	al	\$	213,435
	Mati/Sile Prep											
	Proi Manager	REACT Contract	60	hr	\$ 81.55				5	4,893.00		
	Health and Safety Officer	REACT Contract	50	hr	\$ 59.81				\$	2,990 50		
	Site Manager	REACT Contract	40	hr	\$ 66.33				\$	2,653 20		
	Operator (2)	REACT Contract	40	hr	\$ 6851				3	2,740,40		
	Heavy Equipment Mob	est	1	each		5	12,000 00		5	12.000.00		
	Job Trailer	Pac Van	4	MO		s	250 00		\$	1,000.00		
	Electrical Hook up	est	i	each		s	2,500.00		\$	2,500.00		
	Transport/Disposal of Misc. HazMat.	est	12	drums		S	400,00		\$	4,800 00		
	Portable Shower Service	rental	4	mo		s	400 00		5	1,600 00		
	Portable Toilet Service	99-04-05, Page 10-3	4	mo		\$	88.15		\$	352 60		
	Equipment Fueling	al cost	80	day		5	2,000.00		5	160,000.00		
	Regular Equip Service	at cost	1	est		5	8,500 00		\$	8,500 00		
	Site vehicles (3)	33-01-0107, Page 9-1	240	day		s	39.19		\$	9,405.60		
Ž	Building Asbestos Abatement of Accessable Areas		1	est		Г						
									Tota	21	\$	80,97
									00 F	5 000 00		
	Abatement Contractor mob/setup	Great Western Abatement	1	69		s	5,000 00		00 \$	5,000.00		
	Suspect Asbestos foofing material	Great Western Abatement	23250	sf		5	3 00	\$ 69,750	00 \$	69,750 00		
								\$ 69,750				
	Suspect Asbestos foofing material	Great Western Abatement	23250	sf		5	3 00	\$ 69,750 \$ 3,600	00 \$	69,750 00		
3	Suspect Asbestos foofing material Thermal Pipe Insulation abatement	Great Western Abatement Great Western Abatement	23250 200	sf If		\$	3 00 18 00	\$ 69,750 \$ 3,600	00 \$.00 \$	69,750 00 3,600.00 2,625.00		
3	Suspect Asbestos foofing material Thormal Pipe Insulation abatement Asbestos Clearance Removal of Rotary Klin Buildings	Great Western Abatement Great Western Abatement	23250 200 5	sf If day		\$	3 00 18 00	\$ 69,750 \$ 3,600	00 \$.00 \$	69,750 00 3,600.00 2,625.00	s	382,50
3	Suspect Asbestos foofing material Thermal Pipe Insulation abatement Asbestos Clearance Removal of Rotary Klin Buildinge 30 days for removal and hauling	Great Western Abatement Great Western Abatement Farmer Environmental Serv,	23250 200 5	sf If day	¢ p. 55	\$	3 00 18 00	\$ 69,750 \$ 3,600	00 \$.00 \$.00 \$	69,750 00 3,600.00 2,625.00	s	382,50
3	Suspect Asbestos foofing material Thermal Pipe Insulation abatement Asbestos Clearance Removal of Rotary Kiln Buildinge 30 days for removal and hauling Project Manager	Great Western Abatement Great Western Abatement Farmer Environmental Serv, REACT Contract	23250 200 5 1	sf If day est	\$ 81.55	\$	3 00 18 00	\$ 69,750 \$ 3,600	00 \$.00 \$.00 \$.00 \$	69.750 00 3,600.00 2,625.00	s	382,50
3	Suspect Asbestos foofing material Thermal Pipe Insulation abatement Asbestos Clearance Removal of Rotary Kiln Buildinge 30 days for removal and hauling Project Manager Health and Safety Officer	Great Western Abatement Great Western Abatement Farmer Environmental Serv. REACT Contract REACT Contract	23250 200 5 1	sf If day est	\$ 59.81	\$	3 00 18 00	\$ 69,750 \$ 3,600	00 \$.00 \$.00 \$.00 \$	69,750 00 3,600.00 2,625.00 	s	382,50
3	Suspect Asbestos foofing material Thormal Pipe Insulation abatement Asbestos Clearance Removal of Rotary Kiln Buildings 30 days for removal and hauling Project Manager Health and Safety Officer Laborer (4)	Great Western Abatement Great Western Abatement Farmer Environmental Serv, REACT Contract REACT Contract REACT Contract REACT Contract	23250 200 5 1 48 60 960	sf If day est hr hr hr	\$ 59.81 \$ 56.55	\$	3 00 18 00	\$ 69,750 \$ 3,600	00 \$ 00 \$ Tot:	69,750 00 3,600.00 2,625.00 at 3,914.40 3,586 60 54,288 00	s	382,50
3	Suspect Asbestos foofing material Thermal Pipe Insulation abatement Asbestos Clearance Removal of Rotary Klin Buildings 30 days for removal and hauling. Project Manager Health and Safety Officer Laborer (4) Laborer - OT	Great Western Abatement Great Western Abatement Farmer Environmental Serv. REACT Contract REACT Contract REACT Contract REACT Contract REACT Contract	23250 200 5 1 48 60 960 240	sf If day est hr hr hr hr	\$ 59.81 \$ 56.55 \$ 72.86	\$	3 00 18 00	\$ 69,750 \$ 3,600	00 \$ 00 \$	69,750 00 3,600.00 2,625.00 2,625.00 3,914.40 3,588 60 54,288 00 17,486,40	s	382,50
3	Suspect Asbestos foofing material Thermal Pipe Insulation abatement Asbestos Clearance Removal of Rotary Kiln Buildings 30 days for removal and hauling Project Manager Health and Gally Officer Laborer (4) Laborer - OT Operator (4)	Great Western Abatement Great Western Abatement Farmer Environmental Serv. REACT Contract	23250 200 5 1 48 60 960 240 960	sf If day	\$ 59.81 \$ 56.55 \$ 72.86 \$ 88.51	\$	3 00 18 00	\$ 69,750 \$ 3,600	00 \$ 00 \$ Tot:	69,750 00 3,600.00 2,625.00 3,914.40 3,586.60 54,288.00 17,486.40 65,769.60	s	382,50
3	Suspect Asbestos foofing material Thermal Pipe Insulation abatement Asbestos Clearance Removal of Rotary Klin Buildings 30 days for removal and hauling Project Manager Health and Safety Officer Laborer (4) Laborer - OT Operator (4) Operator - OT	Great Western Abatement Great Western Abatement Farmer Environmental Serv. REACT Contract	23250 200 5 1 48 60 960 240 960 240	sf If day est hr hr hr hr hr	\$ 59.81 \$ 56.55 \$ 72.86 \$ 68.51 \$ 88.08	\$	3 00 18 00	\$ 69,750 \$ 3,600	00 \$ 00 \$ Tot	69.750 00 3,600.00 2,625.00 3,914.40 3.586 60 54,288 00 17,486.40 65,769 80 21,139 20	s	382,50
3	Suspeci Asbestos foofing material Thermal Pipe Insulation abatement Asbestos Clearance Removal of Rotary Kiln Buildinge 30 days for removal and hauling Project Manager Health and Safety Officer Laborer (4) Laborer - OT Operator (4) Operator (-OT Truck Driver	Great Western Abatement Great Western Abatement Farmer Environmental Serv. REACT Contract	23250 200 5 1 48 60 960 240 960 240 160	day	\$ 59.81 \$ 56.55 \$ 72.86 \$ 68.51 \$ 88.08 \$ 55.89	\$	3 00 18 00	\$ 69,750 \$ 3,600	00 \$ 00 \$ Tot	69,750,00 3,800,00 2,625,00 at 3,914,40 3,556,60 54,288,00 17,486,40 65,769,60 21,139,20 8,942,40	s	382,50
3	Suspect Asbestos foofing material Thermal Pipe Insulation abatement Asbestos Clearance Removal of Rotary Klin Buildings 30 days for removal and hauling Project Manager Health and Safety Officer Laborer (4) Laborer - OT Operator (4) Operator - OT	Great Western Abatement Great Western Abatement Farmer Environmental Serv. REACT Contract	23250 200 5 1 48 60 960 240 960 240	sf If day est hr hr hr hr hr	\$ 59.81 \$ 56.55 \$ 72.86 \$ 68.51 \$ 88.08	\$	3 00 18 00	\$ 69,750 \$ 3,600	00 \$.00 \$	69.750.00 3,800.00 2,625.00 2,625.00 3,914.40 3,586.60 54,288.00 17,486.40 65,769.60 21,139.20 8,942.40 2,957.80	\$	382,50
3	Suspeci Asbestos foofing material Thermal Pipe Insulation abatement Asbestos Clearance Removal of Rotary Kiln Buildinge 30 days for removal and hauling Project Manager Health and Safety Officer Laborer (4) Laborer - OT Operator (4) Operator (-OT Truck Driver	Great Western Abatement Great Western Abatement Farmer Environmental Serv. REACT Contract	23250 200 5 1 48 60 960 240 960 240 160	day	\$ 59.81 \$ 56.55 \$ 72.86 \$ 68.51 \$ 88.08 \$ 55.89	\$	3 00 18 00	\$ 69,750 \$ 3,600	00 \$ 00 \$ Tot	69.750.00 3,800.00 2,625.00 2,625.00 3,586.60 54,288.00 17,488.00 21,139.20 8,942.40 2,957.60 110,496.00	s	382,5C
3	Suspect Asbestos foofing material Thermal Pipe Insulation abatement Asbestos Clearance Removal of Rotary Kiln Buildings 30 days for removal and hauling Project Manager Health and Safety Officer Laborer (9) Laborer - OT Operator (4) Operator - OT Truck Driver Truck Driver (OT) Trackhoe Excavator (3.125 CY Buckel)(2)	Great Western Abatement Great Western Abatement Farmer Environmental Serv. REACT Contract	23250 200 5 1 48 60 960 240 960 240 160 40	day est hr hr hr hr hr hr hr	\$ 59.81 \$ 56.55 \$ 72.86 \$ 68.51 \$ 88.08 \$ 55.89	\$	3 00 18 00 525 00	\$ 69,750 \$ 3,600	00 \$.00 \$	69.750.00 3,800.00 2,625.00 2,625.00 3,914.40 3,586.60 54,288.00 17,486.40 65,769.60 21,139.20 8,942.40 2,957.80	s	382,50
3	Suspect Asbestos foofing material Thermal Pipe Insulation abatement Asbestos Clearance Removal of Rotary Kiln Buildinge 30 days for removal and hauling Project Manager Health and Safety Officer Laborer (4) Laborer - OT Operator (4) Operator - OT Truck Driver Truck Driver (OT)	Great Western Abatement Great Western Abatement Farmer Environmental Serv. REACT Contract REACT	23250 200 5 1 1 48 60 960 240 960 240 960 40	day hr hr hr hr hr hr hr	\$ 59.81 \$ 56.55 \$ 72.86 \$ 68.51 \$ 88.08 \$ 55.89	\$ \$	3 00 18 00 525 00	\$ 69,750 \$ 3,600	00 \$ 00 \$ 00 \$ 00 \$ 00 \$ 00 \$ 00 \$ 00	69,750,00 3,600,00 2,625,00 2,625,00 3,586,60 54,288,00 17,488,40 2,957,60 119,496,00 14,887,50 51,727,50	s	382,50
3	Suspect Asbestos foofing material Thermal Pipe Insulation abatement Asbestos Clearance Removal of Rotary Klin Buildinge 30 days for removal and hauling Project Manager Health and Safety Officer Laborer (4) Laborer - OT Operator (4) Operator - OT Truck Driver Truck Driver (OT) Trackhoe Excavator (3.125 CY Bucket (X2) Track Loader (2.5 CY bucket)	Great Western Abatement Great Western Abatement Farmer Environmental Serv. REACT Contract CREACT Contract REACT REACT CONTRACT REACT REACT CONTRACT REACT REAC	23250 200 5 1 48 60 960 240 160 600 150	day ost hr	\$ 59.81 \$ 56.55 \$ 72.86 \$ 68.51 \$ 88.08 \$ 55.89	\$ \$	3 00 18 00 525 00 190, 16 99,25	\$ 69,750 \$ 3,600	00 \$	69.750.00 3,800.00 2,825.00 2,825.00 3,914.40 3,558.60 54,288.00 17,486.40 65,769.60 21,139.20 8,942.40 2,957.60 114,486.00 14,4887.50	s	382,50
3	Suspect Asbestos foofing material Thermal Pipe Insulation abatement Asbestos Clearance Removal of Rotary Kiln Buildings 30 days for removal and hauling Project Manager Health and Safety Officer Laborer (-0) Laborer (-0) Operator (-0) Operator (-0) Operator (-0) Truck Driver Truck Driver Truck Driver (OT) Trackhoe Excavator (-0, 125 CY Bucket)(-2) Track Loader (-2, 5 CY bucket) Track Loader (-2, 5 CY bucket) Trackhoe Excavator (-2, 0 CY Bucket) (-2)	Great Western Abatement Great Western Abatement Farmer Environmental Serv. REACT Contract Crew CODEE, ECHOS p 2-8 Crew CODEH, ECHOS p 2-12 Crew CODET, ECHOS p 2-8 Crew CODET, ECHOS p 2-8	23250 200 5 1 48 60 960 240 180 40 600 150 450	day est hr hr hr hr hr hr hr hr	\$ 59.81 \$ 56.55 \$ 72.86 \$ 68.51 \$ 88.08 \$ 55.89	\$ \$ \$ \$ \$ \$	3 00 18 00 525 00 109.16 99.25 114 95	\$ 69,750 \$ 3,600	00 \$ 00 \$ 00 \$ 00 \$ 00 \$ 00 \$ 00 \$ 00	69,750,00 3,600,00 2,625,00 2,625,00 3,586,60 54,288,00 17,488,40 2,957,60 119,496,00 14,887,50 51,727,50	s	382,5

ATTACHMENT A: Budget Estimate: Main Structure Demolition/Remediation Cost Estimate

Removal Rail Lines 10 Days for Removal Project Manager dealth and Safety Officer aborer (2) aborer - OT Doerator (2) Doerator (2)	REACT Contract REACT Contract REACT Contract REACT Contract	10	est				<u> </u>	Yotal		\$	73,107.4
Project Manager lealth and Safety Officer aborer (2) aborer - OT Derator (2)	REACT Contract REACT Contract										
Health and Safety Officer Laborer (2) aborer - OT Decrator (2)	REACT Contract REACT Contract				↓						
Health and Safety Officer Laborer (2) aborer - OT Decrator (2)	REACT Contract REACT Contract		hr	\$ 81.55	ļ			s	815 50		
aborer (2) aborer - OT Operator (2)	REACT Contract	20	hr	\$ 59,81	1			S	1,196 20		
aborer - OT Operator (2)		160	hr	\$ 56.55				Š	9,048 00		
Operator (2)	REACT Contract				J			į	2,914 40		
		40	hr	\$ 72 86	l			•			
Operator - OT	REACT Contract	160	hr	\$ 68 51	[\$	10,961 60		
	REACT Contract	40	hr	\$ 88.08	l			\$	3,523 20		
Frackhoe Excavator (3 125 CY Bucket)	Crew CODEE, ECHOS p 2-8	100	hr		s	199 16		s	19,916.00		
Frackhoe Excavator (2.0 CY Bucket)	Crew CODE1, ECHOS p 2-8	100	hr		\$	114 95		\$	11,495,00		
Per diem (3 person)	State rate	30	68		s	36 00		\$	1,080.00		
odging (3 person)	State rate	30	ea		s	70 00		2	2,100.00		
Disposal of Rail Ties	Alliad Wasta	225	lons		s	35.50		s	7.987.50		
					s			s	2.070 00		
Removal of Misc Steel Buildings	- Carola Mashing				1						
					1			Total		\$	382,501
IU days for removal					 						
Project Manager	REACT Contract	48	hr	\$ 81.55	1			\$	3,914,40		
lealth and Safety Officer	REACT Contract	80	hr	\$ 59 81	ł			\$	3,588 60		
aborer (4)	REACT Contract	960	hr	\$ 56 55	l			\$	54,288 00		
					l			S			
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					1			-			
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					Į.			•			
ruck Driver (OT)	REACT Contract	40	hr	\$ 73 94	j			\$	2,957 60		
rackhoe Excavator (3.125 CY Bucket)(2)	Crew CODEE, ECHOS p 2-8	600	hr		5	199 16		\$	119,496.00		
rack Loader (2.5 CY bucket)	Crew CODLH, ECHOS p 2-12	150	br		\$	99.25		\$	14,887 50		
								\$			
ruck Highway	Crew COEIA, ECHOS p2-21	200	pt.		s	43 82		5	8,784.00		
								_		•	
	State rate	90	ea .		1.0	70.00			0,300 00		
Removal of Bag House		1	est					Tatal			229,850
0 days for removal and hauling					1			I OIBI		•	229,650
					1						
					1						
					ļ						
		240	hr					\$			
	REACT Contract	80	hr	\$ 55.89				\$	4,471 20		
ruck Driver (OT)	REACT Contract	20	hr	\$ 73 94	ł			\$	1,478.80		
rackhoe Excavator (3 125 CY Bucket)(2)	Crew CODEF, ECHOS = 2-8	400	hr			100 16		\$	70 664 00		
ruck Highway	Crew CODE1, ECHOS B 2-8 Crew COE1A, ECHOS p2-21	100	hr		\$	43.82		\$	4,382.00		
								_			
odging (3 person)	State rate	60	68		5	70 00		\$	4,200 00		
A DANG TO PHILAGO OF THE THE PART OF THE P	isposal of Rail Ties //este Material Iransportation @ 10 tons/load emoval of Misc Steel Buildings 0 days for removal od days for removal aborer (4) aborer (7) perator (4) perator - OT ruck Driver ruck Driver ruck Driver ruck Driver (7) rackhoe Excavator (3.125 CY Bucket) (2) rackhoe Excavator (2.0 CY Bucket) rackhoe Excavator (3.0 CY Bucket) ard diam (3 person) deging (3 person) emoval of Bag House 0 days for removal and hauling roject Manager eaith and Safety Officer aborer (2) aborer - OT perator - OT ruck Driver ruck Driver ruck Driver (T) rackhoe Excavator (3.125 CY Bucket) (2) rackhoe Excavator (3.125 CY Bucket) roject Manager eaith and Safety Officer aborer (2) aborer - OT perator - OT ruck Driver (OT) rackhoe Excavator (3.125 CY Bucket) (2) rackhoe Excavator (3.0 CY Bucket) (2)	odging (3 person) State rate isposabl of Rait Tres Veste Material transportation ② 10 tons/load emoval of Misc Steal Buildings 0 days for removal roject Manager ealth and Safety Officer aborer (4)	odging (3 person) Stafe rate 30	State rate 30 ea	State rate 30 ea	State rate 30 ea \$	State rate 30 ea 5 70 00	State rate 30 ea \$ 70 00	Sile rate Sile	Site rate Site	Sile rate Sile

ATTACHMENT A: Budget Estimate: Main Structure Demolition/Remediation Cost Estimate

Item	Description	Billing Reference	Units	Uo M	Labor Rate	ι	Jnit Rate	Subcontractor Total	ŦC	TAL	EXTEN	DED
7	Removal of Brick Buildings 20 days for demo and hauling Includes Transporting Demo Debris to stockpile area and		1	Est					Total		\$	194,510.40
	Project Manager	REACT Contract	32	hr	\$ 81.55				s	2,609 60		
	Health and Safety Officer	REACT Contract	40	hr	\$ 59 81				\$	2,392.40		
	Laborer (2)	REACT Contract	320	hr	\$ 56 55				\$	18,096 00		
	Laborer - OT	REACT Contract	80	hr	\$ 72 86	1			\$	5,828.80		
	Operator (2)	REACT Contract	320	hr	\$ 68 51				\$	21,923 20		
	Operator - OT	REACT Contract	80	hr	\$ 88 08				\$	7,046 40		
	Truck Driver	REACT Contract	160	hr	\$ 55.89	1			\$	8,942 40		
	Truck Driver (OT)	REACT Contract	40	hr	\$ 73.94				\$	2,957 60		
	Trackhoe Excavator (2 0 CY Bucket)	Crew CODE1, ECHOS p 2-8	200	br		s	114 95		\$	22,990 00		
	Track Loader (2.5 CY bucket)	Crew CODLH, ECHOS p 2-12	200	hr		\$	99 25		S	19,850 00		
	Truck Highway	Crew COEIA, ECHOS p2-21	200	hr		5	43 82		\$	8,764 00		
	Waste Material Disposal	Allied waste	1500	tons		s	35 50		\$	53,250 00		
	Waste Material transportation@10 tons/load	Garcia Trucking	150	loads		\$	90.00		5	13,500.00		
	Per diem (3 person)	State rate	60	ea		s	36 00		5	2,160 00		
	Lodging (3 person)	State rate	60	ea		\$	70 00		\$	4,200 00		
8	Cleaning of AST and Disposal of Wasts Open Item			Est					Total		\$	24,239.80
		DEACTO			•	-			-			
	Health and Safety Officer	REACT Contract	20	hr	\$ 5981				\$	1,196 20		
	Cleaning of Tanks Transportation Disposal of Acid Studge	VEOLIA Environmental Solutions VEOLIA Environmental Solutions		est		\$	20,000 00 \$ 343.00	20,000.00		20,000.00		
	Transportation of Oil	VEOLIA Environmental Solutions	1	per drum per load		\$	700.00		\$ \$	343.00 700.00		
	Disposal of Oil	VEOLIA Environmental Solutions	i	per dal		Š	0.60		5	0.80		
		VEOLIA Environmental Solutions	'	per gai		1						
	Man Lift	rental	1	week		\$	2,000 00		\$	2,000 00		
9	Demobilization		1	est					Total		5	14,744.76
						-						
	Site Manager	REACT Contract	4	br	\$ 66 33				\$	265 32		
	Health and Safety Officer	REACT Contract	В	hr	\$ 59.81	i			\$	478 48		
	Laborer	REACT Contract	16	hr	\$ 56.55	ĺ			\$	904.80		
	Operator	REACT Contract	16	hr	\$ 68.51				5	1,098.16		
		est										

				_	Project Sub-Total: Subcontractor Total Cost: Subcontractor Mark-up:	\$ \$	1,595,865.06 100,975.00 6,919.50	\$ 1,595,865.06
Steel Recovery	Grossman Steel and Iron	3700 tons		290.00	PROJECT TOTAL		1,602,784.56	
Total Project Cost after Steel Recovery	Grossman Steer and Hon	3700 (0/18	•	290.00		\$	529,784.56	

*				Attachm	nent B: Eagle Zinc Schedule				
ask Name	y 11, '08 Duration M T W T	May 18, '08 May 25, '08 F S S M T W T T W T T W T T	B Jun 1, '08 W T F S S M T W T F			Jul 6. '08	Jul 13, '08 Jul 20, S S M T W T F S S M	'08	3, '08 Aug 10, '08 Aug 17, '08 A T W T F S S M T W T F S S M T
em 1: Mob Site Prep em 2: Building Asbestos Abatement	5 days								
em 3(A): Rotary Kiln Buildings A	17 days								
em 3(B): Rotary Kiln Buildings B em 4: Removal of Rail Lines	13 days					1 , ,			
em 5: Removal of Misc Steel Buildings	30 days								
em 6: Removal of Bag House em 7: Removal of Brick Buildings	20 days		, , ,			 			
em 8: Cleaning of ASTs	5 days		:						
em 9: Demobilization	2 days	<u>:</u> <u>:</u>	<u> </u>	<u> </u>			<u> </u>	<u> </u>	
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Project: Fagle Zinc	Task	Progress	Summary	External Tasks	Deadline -				
Project: Eagle Zinc Date: Tue 5/20/08	Calib	Milestone •	Project Summary						
	1				Page 1				

Waste Management 24-hour Service Site Remediation Environmental Audits Tank Removal/Cleaning Air Monitoring Spill Response RCRA Closures

Environmental Consulting & Contracting

May 20, 2008

Mr. Clarence Smith Illinois Environmental Protection Agency Bureau of Land 1021 North Grand Ave., East Springfield, Illinois 62794

Re:

Work Order and Cost Proposal

Structure Removal

Eagle Zinc Superfund Site Bodine Proposal #08-0821 RECEIVED

MAY 2 1 2008

SECURITY DESK

1358070001/Montgomery Eagle Zinc/Hillsboro

Superfund/Fiscal

Mr. Smith:

Bodine Environmental Services, Inc. (Bodine) is pleased to provide the enclosed Proposal Work Plan and Cost Proposal for Structure Removal at the Eagle Zinc Superfund Site in Hillsboro, Illinois. The document was prepared in accordance with the Illinois Environmental Protection Agency (Illinois EPA), Corrective Action Contractor Contract HWA-6303, Work Order 21.

Bodine is proposing to utilize Brandenburg Industrial Service Company as a specialized union sub-contractor to perform demolition, segregation, putrescible waste transportation/disposal and scrap/salvage transportation/reclamation. Based upon the scope of the project, Bodine has estimated the duration of on-site activities to be four (4) months.

Thank you for the opportunity to provide the enclosed Proposal Work Plan and Cost Proposal. If there should be any questions regarding Bodine's approach to implementing the requested services or the proposed costs, please do not hesitate to contact the undersigned.

Respectfully submitted,

BODINE ENVIRONMENTAL SERVICES, INC.

Stephen D. Nussbaum, P.E.

Senior Project Manager

Brett J. Marshall

Consulting Services Manager

Bret I. Marchell

Enclosures: Proposal Work Plan and Cost Proposal (Original and 2 Copies)

RECEIVED

MAY 21 2008

IEPA-BOL-FSRS



Work Order and Cost Estimate Package

Structure Removal

Eagle Zinc NPL Site - Hillsboro, Illinois

LPC #1358070001, Montgomery County

Prepared for:

Illinois Environmental Protection Agency Bureau of Land, Federal Site Remediation Section 1021 North Grand Avenue East Springfield, Illinois 62794-9276

Prepared by:

Bodine Environmental Services, Inc. 5350 East Firehouse Road
Decatur, Illinois 62521
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Bodine Project Number 119855 Bodine Proposal Number 08-0821

> May 20, 2008 Version 1.0



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Illinois EPA, Work Order & Cost Proposal Structure Removal Eagle Zinc NPL Site, Hillsboro, Illinois Bodine Project Number 119855 HWA-6303, Proposal No. 08-0821 May 20, 2008

1.0 BACKGROUND

Bodine Environmental Services, Inc. (Bodine) is pleased to provide the Work Order and Cost Proposal for the Structure Removal Activities (Pre-Remedial Action (RA)) for the Eagle Zinc National Priority List (NPL) Site in Hillsboro, Montgomery County, Illinois. The facility has been used for the production of zinc oxide since at least the late 1800's. The Scope of Work (SOW) was developed in accordance with Work Order 21, under the Illinois Environmental Protection Agency (Illinois EPA) Corrective Action Contract HWA-6303 date October 31, 2007. The Work Order requested the development of a Proposal Work Plan (PWP) to undertake cost estimates to remediate the operable unit (an area of approximately 25 acres), known as the Manufacturing and Material Storage Facility Area (MMSFA).

Bodine was instructed to prepare a PWP based upon their on-site facility inspection and related Illinois EPA/USEPA document review that may be necessary to complete the inspection and PWP. The PWP shall outline, task, subtasks, professional personnel levels, hours, labor, travel ODCs, and total costs estimated to remediate the facility buildings and related structures. The SOW indicated the performance of the following tasks:

- 1. Participate in a conference call(s) with the Illinois EPA to schedule on-site facility building inspections and meeting with Bodine and review facility site maps and site related historical documentation on buildings, related structures and possible contaminants determined to be and/or expected to be on-site;
- 2. Provide Cost Estimates, in general, to remediate, decontaminate, remove, and dispose of both on-site and off-site all on-site buildings, structures, foundations, storage pads, storm water drainage structures, and related contaminated waste materials. These materials may include decontamination of bricks for reuse and recycle where possible.
- 3. Provide Cost Estimates to remove and properly dispose of asbestos from the buildings;
- 4. Provide Cost Estimates to remove and decontaminate salvageable metals from the closed manufacturing facility buildings and structures; and,
- 5. Provide Cost Estimates to remove and dispose of on-site the zinc oxide and related metals slag materials and contaminated soils from among the buildings, as well as the building's concrete, bricks, metals, and related building wastes for on-site disposal.

Illinois EPA, Work Order & Cost Proposal Structure Removal Eagle Zinc NPL Site, Hillsboro, Illinois Bodine Project Number 119855 HWA-6303, Proposal No. 08-0821 May 20, 2008

2.0 PROJECT SUMMARY

As indicated in Section 1.0, Bodine has utilized Work Order 21, Corrective Action Contract HWA-6303 as the basis for the preparation of the Proposal Work Plan and Cost Proposal. Bodine participated in site inspection activities on April 30th and May 1st. In addition, an electronic mail message containing additional clarifications was received from the Illinois EPA on May 14, 2008.

Based upon the scope of the project, Bodine will enter into a sub-contract agreement with Brandenburg Industrial Service Company headquartered in Chicago, Illinois. Brandenburg is a union contractor specializing in demolition and salvage of large and complicated structures. Brandenburg was awarded the demolition portion of the Soldier Field renovation in downtown Chicago. Bodine will utilize Brandenburg to remove structures, separate putrescible wastes, non-putrescible wastes and scrap. Brandenburg will provide transportation and off-site disposal of putrescible wastes and transportation and salvage of scrap materials.

Bodine will perform all activities other than the specialized structure removal and segregation of materials. Bodine will perform decontamination of the salvage materials using a "dry ice" blasting system to minimize the generation of liquid wastes. All decontamination activities will be performed in centralized locations based upon the location of the structures being removed. Bodine will transport non-putrescible wastes to the locations specified by the Illinois EPA and spread the materials within the boundary of the fill area. Bodine will maintain on-site facilities and provide on-site project management for the four (4) months estimated to complete the on-site project activities.

Bodine will perform project management activities associated with pre-mobilization activities; coordination with the Illinois EPA, preparation and submission of documents for Illinois EPA approval and other activities not directly associates with the management of daily on-site project activities. Bodine will also provided perimeter air monitoring and personal air monitoring as needed during the project to document exposures associated with personnel on-site and document the upwind and downwind air concentrations for site-related contaminants.

Based upon the site inspection, additional information provided by the Illinois EPA and coordination with Brandenburg, Bodine is proposing the following project Scope of Work:

- 1. Prepare and Submit Field Sampling Plan and Quality Assurance Project Plan for Illinois EPA Approval;
- 2. Prepare and Submit Project Implementation Plan (PIP) and Health and Safety Plan (HSP) for Illinois EPA approval:

- 3. Prepare and Submit Construction Storm Water Pollution Prevention Plan and Other Plans/Specifications for Illinois EPA Approval;
- 4. Perform an Asbestos Inspection and Submit Notification of Renovation/Demolition to Illinois EPA-Bureau of Air;
- 5. Perform Waste Profile Sampling, Analysis and Profile Approval Associated with All Waste Streams for Off-Site Disposal/Treatment;
- 6. Perform JULIE/Private Utility Locates and On-site Project Administration Facilities, Equipment and Materials for the 4-Month Project Duration;
- 7. Project Administration Activities for Mobilization, On-site and Demobilization;
- 8. Mobilization of Personnel, Equipment, Materials and Sub-Contractor;
- 9. Asbestos Abatement and Disposal Associated with the Supply Building (air cell);
- 10. Perform Perimeter Air Monitoring and Health and Safety Monitoring as Required During On-Site Activities;
- 11. Rail Track and Ties Removal, Disposal and Scrap;
- 12. Group 1 Structures Removal, Disposal and Scrap;
- 13. Group 2 Structures Removal, Disposal and Scrap;
- 14. Group 3 Structures Removal, Disposal and Scrap;
- 15. Group 4 Structures Removal, Disposal and Scrap;
- 16. Perform Project Completion On-Site Inspection and Closeout Activities as Identified by Illinois EPA;
- 17. Demobilization of Personnel, Equipment, Materials and Sub-Contractor; and,
- 18. Prepare and Submit a Project Completion Report.

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3.0 SUBCONTRACTORS

Based upon the SOW, Bodine anticipates using subcontractors to perform some of the activities associated with the Project. In the event other subcontractors are required, Bodine would provide the appropriate contact information and WBE/MBE status. The Cost Proposal contains information and pricing from the following sub-contractors:

Service	Subcontractor	MBE/WBE Status
Electrical	One of three Hillsboro electrical contractors to be determined based upon project requirements/scheduling.	NO
On-Site Utility Locating	Damage Prevention Solutions, LLC 1224 West Edwards Street Springfield, Illinois 62704 (217) 971-5929	NO
Site Security	Trying to Locate WBE/MBE at this time. Used prevailing wage to determine unit rates.	WBE?
Demolition and Salvage Services	Brandenburg Industrial Service Company 2625 South Loomis Street Chicago, Illinois 60608-5414 (312) 326-5800	NO

4.0 TREATMENT, STORAGE AND DISPOSAL FACILITIES (TSDFs)

Non-Hazardous Water Treatment/Disposal

Discharge to On-Site Surface Water Retention Ponds

Non-Hazardous, Special Waste Disposal (Rail Ties and Putrescible Demo Debris)

Envotech Landfill 2782 Landfill Trail Litchfield, Illinois 62056 (217) 324-2811

Asbestos Contaminated Materials-Non-Hazardous, (Air Cell, Supply Building)

Envotech Landfill 2782 Landfill Trail Litchfield, Illinois 62056 (217) 324-2811

Non-Hazardous, Non-Special (Non-Putrescible Demo Debris)

On-Site Fill Area

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5.0 PROJECT ADMINISTRATION

As has been requested in the past, Bodine has provided a breakdown of the items that have been included in the project administration portion of the cost estimate. The items are as follows:

Project Management Items

In general, activities performed by the project manager are consistent with supervision and performance of specific tasks included in the SOW. On-Site project administration activities have been incorporated into each of the on-site tasks. However, Task 07 has been included to delineate the off-site project administration estimated for the duration of the 4-month on-site activities. The following activities may be considered project administration activities that are not directly associated with the performance of the SOW:

- 1. Attend meetings with the Illinois EPA and engineer to discuss project;
- 2. Utility locating and subcontractor coordination;
- 3. Telephone and conference calls to maintain communication with the Illinois EPA;
- 4. Prepare cost estimates for unanticipated conditions for Illinois EPA review and approval;
- 5. Arrange for temporary facilities;
- 6. Review and approval of sub-contractor invoices;
- 7. Preparation of invoices;
- 8. Coordination of laboratory services for sampling events;
- 9. Data management and data review;
- 10. Data management; and,
- 11. Material purchases.

Temporary Facilities

While not specified in the PWP, Bodine has included the provision of on-site temporary services for the estimated 4-months of on-site activities. Bodine shall provide temporary facilities to include a Construction Trailer, Temporary Electrical Service, Telephone, Facsimile, Scanner, Internet Access, Potable Water, Portable Sanitary Facilities and Office Supplies.

Demobilization

At the close of the project, Bodine will conduct the below items. In addition, a meeting will be scheduled to insure that all punch list items are completed to the Illinois EPA's satisfaction.

1. Submission of Waste Manifests,

Illinois EPA, Work Order & Cost Proposal Structure Removal Eagle Zinc NPL Site, Hillsboro, Illinois Bodine Project Number 119855 HWA-6303, Proposal No. 08-0821 May 20, 2008

- 2. Removal of any temporary facilities,
- 3. Decontamination of equipment; and,
- 4. Submission of project documentation.

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6.0 SCOPE OF WORK

For the purposes of the PWP and Cost Proposal, Bodine has proposed on-site activities for the Project to be approximately four (4) months. For the purposes of the Cost Proposal, Bodine has utilized the current hourly rates established under the Corrective Action Contractor Contract HWA-6303.

Task 01 – <u>Prepare & Submit Field Sampling Plan (FSP)/Quality Assurance Project Plan (QAPP)</u> for Illinois EPA Approval

Bodine proposes to utilize a Licensed Professional Engineer that has participated in the U.S. EPA Remedial Project Manager's QAPP Training Course to be the lead in preparation of the QAPP. In the event a previous version of a QAPP has been approved for the site, Bodine would propose to submit an addendum, rather than developing a new QAPP. Document preparation is estimated to require thirty (30) days for Bodine personnel. The length of time for review and approval of submitted documents is not within the control of Bodine to estimate.

Task 02 – <u>Prepare & Submit Project Implementation Plan (PIP) and Health & Safety Plan (HSP)</u> for Illinois EPA Approval

For previous corrective action projects, Bodine has been required to prepare and submit a construction operations plan or other project work plan that outlines the tasks, locations, traffic controls and numerous other provisions/specifications for the completion of each task. Typically, there are engineering specifications associated with remedial projects. In this case, there are no engineering specifications and therefore even more critical that the Illinois EPA reviews and approves a detailed work plan prior to mobilization to the site. Bodine, in coordination with Brandenburg, will prepare and submit a PIP for this project consistent with the formats prepared for other NPL Sites. A HSP will be prepared by Bodine in coordination with Brandenburg and submitted to the ILLINOIS EPA for review and approval/comment. These tasks will be concurrent and are estimated to require forty five (45) days for completion. The length of time for review and approval of submitted documents is not within the control of Bodine to estimate.

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Task 03 – Prepare and Submit National Pollution Discharge Elimination System (NPDES) Construction Storm Water Pollution Prevention Plan (SWPPP) and Other Plans/Specifications Required by Illinois EPA

Since project activities will impact more than one (1) acre, a Construction SWPPP will be prepared and submitted for Illinois EPA approval, but no fees, nor permit, will be applicable. The Construction SWPPP will identify the engineering controls and activities to prevent, or minimize, pollution resulting from storm water in accordance with State and Federal regulations. The preparation of the Construction SWPPP is estimated to require twenty (20) days for completion. The length of time for review and approval of submitted documents is not within the control of Bodine to estimate.

Task 04 – Asbestos Inspection and Notification of Renovation/Demolition

During the site inspection, Bodine identified air cell pipe insulation in the boiler area of the Supply Building. Likely materials containing asbestos would be roofing materials, pipe insulation not visible during inspection, insulation and gaskets associated with kilns/ovens, flooring tiles and other building materials. Under the National Emissions Standards for Hazardous Air Pollutants (NESHAP) standards, a complete asbestos inspection of all structures to be renovated or demolished is required. Bodine is proposing to utilize Illinois Department of Public Health (IDPH) licensed Asbestos Inspectors to complete the inspection and prepare the notification. Bodine estimates this task to require three (3) ten hour days for a project manager and field supervisor to properly inspect all of the structures, collect samples and submit the samples for laboratory analysis using the point count method (PCM). Collection, shipment, analysis and reporting of up to one hundred (100) discrete samples have been included in the estimate. Following receipt of the laboratory report, Bodine will prepare and submit an asbestos inspection report for Illinois EPA review and approval. The duration of the task is estimated to require thirty (30) days. The length of time for review and approval of submitted documents is not within the control of Bodine to estimate

Task 05 - Waste Sampling, Analysis and Profile Approval by TSDF for Off-Site Waste Disposal

Based upon inspection and additional clarification received from Illinois EPA, Bodine has assumed no hazardous waste (listed or characteristic) will be managed during project activities. However, the National Contingency Plan (NCP), Subsection 300.440 a) 4) requires USEPA Regional Administrator approval of the receiving facility. At this time, Bodine has coordinated with Brandenburg and Allied Waste to combine demolition debris with the rail ties as one waste stream requiring one waste

stream approval. While Bodine believes the waste stream can be approved as a Special Waste for disposal at the Envotech landfill, the cost to obtain one (1) representative sample for waste profile laboratory analysis has been included in the Cost Proposal. If waste profile sampling were not required, the cost to obtain and analyze the sample would be removed from the project cost.

Task 06 – <u>JULIE/Private Utility Locates and On-Site Project Equipment, Direct & Material Expense</u> (not itemized on other tasks)

This task includes the use of a private utility locating firm and JULIE notification a minimum of two (2) weeks prior to mobilization to the Site. Bodine personnel will be available to conduct joint meets and other coordination activities at the Site. In addition to utility locating, Bodine has included on-site equipment, materials and direct costs associated with provision of the temporary facilities specified in Section 5.0. The duration of the on-site activities has been estimated at four (4) months. Bodine intends to maintain a sub-meter accurate Trimble Unit on-site for the duration of the Project to document coordinates of existing structures, boundaries of fill area, additional items discovered during removal of structures and remaining site features as directed by Illinois EPA. Theses coordinates will be labeled and maintained in electronic format for use as geo-reference points.

Task 07 - Project Administration for Mobilization, On-Site and Demobilization Activities

Bodine has included this task to itemize project administration activities, which are not directly associated with on-site activities. These activities are most likely performed at Bodine's Decatur, Illinois facility and have been discussed in Section 5.0. Hours for clerical, field supervisor, project manager and health and safety officer have been specified in the Cost Proposal.

Task 08 – Mobilization of Personnel, Equipment and Materials

This task incorporates the mobilization of personnel, equipment and materials to the site by Bodine. The cost to set-up the temporary construction trailer Activities performed by Bodine personnel with Bodine equipment and materials required to complete each task have been included under the applicable task.

Task 09 – <u>Asbestos Abatement - Removal, Transportation and Disposal (Supply Building)</u>

The results of the Asbestos Inspection will document the presence and category of asbestos containing materials (ACM) associated with the structures. At this time, air

cell pipe insulation was observed in the Supply Building. Asbestos abatement activities included in the cost proposal are associated with the Supply Building only.

Task 10 – Health and Safety and Perimeter Air Monitoring

Since the Project involves the removal of structures on an NPL Site, Bodine believes that perimeter air monitoring should be performed during on-site activities. Bodine proposes to utilize a combination of ambient air monitors and low-flow air samplers at four (4) perimeter locations, one of which shall serve as background or up-wind. Complete information regarding site-related compounds that may be encountered during the Project is not yet available. However, it is clear that PM10, Zinc, Chromium, Copper and Lead may be included on the list of parameters for air monitoring.

Since Bodine and Sub-Contractor personnel will undertake a variety of activities during the Project, Bodine will also be performing personal air sampling to determine the appropriate level of PPE is utilized. At this time, Bodine anticipates a personnel performing decontamination of the scrap and other materials will be in Level C using a full-face respirator with HEPA/metals cartridges. Personnel in enclosed cabs involved in the removal of structures and transportation of materials are assumed to be in modified Level D, with no respiratory protection. Details regarding PPE selection and criteria will be provided in the HSP.

Task 11 – Rail Track and Tie – Removal, Disposal and Scrap

The removal of above-grade structures was divided into five (5) groups; Rail Track and Ties and Group 1 though 4 Structures. The linear feet of rail track and ties was estimated to be 6,017 feet from the aerial photograph, Appendix B. Assuming normal spacing of ties and estimated weight for weathered track, the following quantities were estimated:

- □ Putrescible Waste 360 tons of ties
- □ Non-Putrescible Waste 0 cubic yards
- □ Scrap Steel 255 net tons

Bodine proposes to utilize Brandenburg to perform all of the demolition, segregation, transportation/disposal of putrescible waste and scrap transportation/reclamation. Bodine personnel will include 2 Cleanup Technicians, 1 Driver and 1 Operator for five (5), ten (10) hour working days. On-site project management and supervision will include three (3) days for a Field Supervisor and two (2) days for a Project Manager.

Task 12 - Group 1 Structures - Removal, Disposal and Scrap

Group 1 Structures include the southern buildings in the southern portion of the Site: Loafing Shed, U-Shaped Building, Supply Building, South Supply Buildings and the Sulfuric Acid Building (see Appendix B). This does not include the Administration Building or Main Office Building. Based upon the site inspection and aerial photograph, the following quantities were estimated:

- □ Putrescible Waste 340 tons
- □ Non-Putrescible Waste 1,420 cubic yards
- □ Scrap Steel 24 net tons

Bodine proposes to utilize Brandenburg to perform all of the demolition, segregation, transportation/disposal of putrescible waste and scrap transportation/reclamation. Bodine personnel will perform decontamination of scrap and other materials using dry ice, maintaining the water truck to minimize wind blown particulate matter, transportation of the non-putrescible waste to the fill area and spreading of the fill materials. Bodine personnel will include 2 Cleanup Technicians, 1 Driver and 1 Operator for five (5), ten (10) hour working days. On-site project management and supervision will include three (3) days for a Field Supervisor and two (2) days for a Project Manager.

Task 13 – Group 2 Structures - Removal, Disposal and Scrap

Group 2 Structures include the western buildings in the central portion of the Site: Main Rotary Kiln Building, attached Storage Buildings, Smoke Stack and outer concrete bin walls (see Appendix B). Based upon the site inspection and aerial photograph, the following quantities were estimated:

- □ Putrescible Waste 185 tons
- □ Non-Putrescible Waste 3,812 cubic yards
- □ Scrap Steel 648 net tons

Bodine proposes to utilize Brandenburg to perform all of the demolition, segregation, transportation/disposal of putrescible waste and scrap transportation/reclamation. Bodine personnel will perform decontamination of scrap and other materials using dry ice, maintaining the water truck to minimize wind blown particulate matter, transportation of the non-putrescible waste to the fill area and spreading of the fill materials. Bodine personnel will include 4 Cleanup Technicians, 1 Driver and 1 Operator for twenty five (25), ten (10) hour working days. On-site project

management and supervision will include twenty five (25) days for a Field Supervisor.

Task 14 - Group 3 Structures - Removal, Disposal and Scrap

Group 3 Structures include the buildings in the northwestern portion of the Site: Loading Building, Storage Building and sidewalls of a former building (see Appendix B). Based upon the site inspection and aerial photograph, the following quantities were estimated:

- □ Putrescible Waste 41 tons
- □ Non-Putrescible Waste 1.189 cubic yards
- □ Scrap Steel 46 net tons

Bodine proposes to utilize Brandenburg to perform all of the demolition, segregation, transportation/disposal of putrescible waste and scrap transportation/reclamation. Bodine personnel will perform decontamination of scrap and other materials using dry ice, maintaining the water truck to minimize wind blown particulate matter, transportation of the non-putrescible waste to the fill area and spreading of the fill materials. Bodine personnel will include 4 Cleanup Technicians, 1 Driver and 1 Operator for five (5), ten (10) hour working days. On-site project management and supervision will include five (5) days for a Field Supervisor.

Task 15 – Group 4 Structures - Removal, Disposal and Scrap

Group 4 Structures include northeast Oven Building, Fan Buildings 1 through 4, Center Building with outdoor hopper structure, Fan Belt Building, American Kiln Building, American Kiln Support Building including attached Butler Building and Two-Story Warehouse, Southeast Hopper Building Southeast Open Hoppers, Southeast Kiln Building, Sulfuric Acid AST and Other AST on piers, Site Duct Conveyor between Main Rotary Kiln Building and Fan Buildings, and utility poles (see Appendix B). Based upon the site inspection and aerial photograph, the following quantities were estimated:

- □ Putrescible Waste 519 tons
- □ Non-Putrescible Waste 4,415 cubic yards
- □ Scrap Steel 648 net tons

Bodine proposes to utilize Brandenburg to perform all of the demolition, segregation, transportation/disposal of putrescible waste and scrap transportation/reclamation. Bodine personnel will perform decontamination of scrap and other materials using dry



ice, maintaining the water truck to minimize wind blown particulate matter, transportation of the non-putrescible waste to the fill area and spreading of the fill materials. Bodine personnel will include 4 Cleanup Technicians, 1 Driver and 1 Operator for forty (40), ten (10) hour working days. On-site project management and supervision will include thirty (30) days for a Field Supervisor and ten (10) days for a Project Manager.

Task 16 - Perform Project Completion On-Site Inspection and Closeout Activities

This task includes on-site activities to complete a project closeout technical inspection with Illinois EPA project personnel. During the inspection a punch list will be prepared to identify and assign all of the remaining on-site activities required to be completed prior to demobilization of personnel, equipment, materials and removal of temporary services. One week has been assigned to complete the punch list items to enable a final inspection by Illinois EPA personnel. For this proposal, Bodine has assumed that one week, five (5) working days will be devoted to completion of the remaining on-site activities. Bodine personnel will include 2 Cleanup Technicians and 1 Operator for five (5), ten (10) hour working days. On-site project management and supervision will include two (2) days for a Field Supervisor and five (5) days for a Project Manager.

Task 17 – Demobilize Personnel, Equipment and Materials

All personnel, equipment, materials and temporary services will be demobilized from the Site. Bodine has estimated the task duration to be five (5) working days. Subcontractor costs for demobilization activities have been included in the Cost Proposal.

Task 18 - Prepare and Submit Project Completion Report

Bodine has incorporated personnel hours to prepare and submit project documents to Illinois EPA for approval. A Project Closeout Report will be prepared and include brief narrative of the activities undertaken on a daily/weekly basis, quantities, figures, tables, manifests, health and safety forms, SWPPP inspection forms, photograph logs. A format for the Project Closeout Report will be submitted with the PIP, prior to the beginning of the Project.

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7.0 PROJECT PERSONNEL

The following is a list of personnel anticipated to be utilized on the project. Personnel assigned to the project shall be dedicated for this project. An alternate project manager has been assigned for backup purposes. His responsibilities shall include office support, emergency replacement, etc.

Key Project Position			Project Personnel
Project Coordinator			Brett J. Marshall
Project Manager		•	Stephen D. Nussbaum, P.E
Project Chemist			Aaron Kinkelaar
Alternate Project Mgi			Richard Evey
Field Supervisor			Ben Massey
Safety Manager		•	David Yates
Clerical	•		Staffing as appropriate

Trade Personnel

Operators - 1 Laborers - 4 Drivers - 1

Personnel shall be added to the project as needed to ensure production schedules are maintained.

Bodine Project Number 119855 HWA-6303, Proposal No. 08-0821 May 20, 2008

8.0 EQUIPMENT

The complete list of equipment and materials will be provided in the PIP. The equipment and materials estimated for the project have been incorporated into the Cost Proposal and the unit rates have been obtained from the ECHOS Unit Cost Database, 2006. Cost for materials and equipment not contained in ECHOS have been provided at Bodine's 2008 unit rates. The individual task cost summaries include, equipment, ECHOS reference numbers and ECHOS unit costs as line items in each task specified in the SOW.

Bodine Project Number 119855 HWA-6303, Proposal No. 08-0821 May 20, 2008

9.0 HEALTH AND SAFETY

Health and Safety issues are paramount for Bodine. Safety issues include physical hazards associated with working around heavy equipment, severe weather conditions and lifting of materials and equipment operations during site-related activities. Explosion hazards will be associated with the removal of the Smoke Stack structure. Chemical hazards include respiration and ingestion of site—related metals compounds as particulate matter. Additional hazards include respiration of particulate matter of 10-micron size and histoplasmosis from bird wastes. Bodine has included safety management hours for instruction and safety assessments during the project.

The Bodine companies maintain six (6) full time safety personnel that assist with training, site safety meetings, regulatory interpretation, preparation of Health and Safety Plans, personal air sampling and project inspections. Bodine not only provides a variety of OSHA training for it's own personnel, but also for other governmental, municipal and industrial personnel. A Bodine Safety Manual has been provided on previous projects, which will be strictly enforced on this project. For on-site activities, daily tailgate safety meetings will be conducted to discuss the activities of the day, potential hazards, personal protective hazards and air monitoring.

Mr. David Yates, PhD, is a Certified Safety Professional (CSP) with over 25 years of experience, and shall be responsible for assisting in the development of a Site-Specific Health and Safety Plan. Mr. Yates will also be responsible for working with Bodine's on-site Project Manager/Field Supervisor in preparing for the tail gate safety meetings, reviewing on-site safety issues and discussing the required levels of personal protective equipment required for the project. Although it is not anticipated that Mr. Yates will be on-site during the Project, he be on-site routinely to perform personal and perimeter air sampling. He will be very involved with the overall activities of the safe operations of heavy equipment, chemical exposure, insuring Bodine's Safety Manual provisions are met and assisting the Project Manager with any safety issues.

Normal work activities associated with this project are proposed to be performed in Level D personal protective equipment (PPE). Specific tasks, such as decontamination of scrap and other materials with dry ice will be performed in Level C PPE. On-site personal monitoring will be used to up-grade or down-grade levels of PPE. The minimum level of PPE during on-site working hours will require hard hats, steel toe work boots, safety glasses and hearing protection, where required.

Bodine will work closely with the ILLINOIS EPA's representative to insure that the project is conducted in a safe manner not only for work personnel, but also for other individuals entering the site. Un-authorized or untrained personnel will not be allowed to enter the work zones.

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Bodine Project Number 119855 HWA-6303, Proposal No. 08-0821 May 20, 2008

Appendix A

ILLINOIS EPA Work Order and Clarifications

8LINOIS ENVIRONMENTAL PROTECTION AGENCY CONTRACT FOR SERVICES WORK ORDER 21

The Illinois Environmental Protection Agency ("Agency") and Bodine Environmental Services, whose address is 5350 East Firehouse Road, Decatur, Illinois 62521-9601, have entered into a Contract for Services HWA-6303 ("Contract"), dated July 28, 2005, which provides for the use of Work Orders to effectuate the provisions of that contract. This Work Order assigns the following tasks and responsibilities to the parties as described below:

Work Order Task(s)

The Contractor will develop a Proposal Work Plan (PWP) to undertake cost estimates to remediate the manufacturing and material storage facility at the Eagle Zinc NPL Site, Hillsboro, Montgomery County, Illinois.

Compensation for such tasks shall not exceed \$10,000.00.

Work Order requirements and compensation shall be in accordance with the attached exhibits, listed below:

Exhibit(s):

Exhibit 1: Agency's Scope of Work dated September 28, 2007

IN WITNESS WHEREOF, the parties hereto have caused this work order to be executed by their duly authorized representatives this <u>31st</u> day of <u>October</u>, 2007.

Bodine Environmental Services

Illinois Environmental Protection Agency

INTRA-AGENCY CONCURRENCE:

Bureau Chief/Division Manager (or designee)

Illinois Environmental Protection Agency



1021 NORTH GRAND AVENUE EAST, P.O. BOX 19276, SPRINGFIELD, ILLINOIS 62794-9276 - (217) 782-3397 JAMES R. THOMPSON CENTER, 100 WEST RANDOLPH, SUITE 11-300, CHICAGO, IL 60601 - (312) 814-6026

Rod R. Blagojevich, Governor

Douglas P. Scott, Director

Exhibit	1 of Work Order_	21
	7	
consisting of	<u> </u>	pages.

MEMORANDUM

DATE:

September 28, 2007

TO:

Richard Amoako, BOL/Planning and Reporting Unit

REL

FROM:

Rick Lanham, NPL Unit

SUBJECT:

1358070001 - Montgomery Co.

Eagle Zinc NPL Site, Hillsboro, IL

Superfund/Fiscal

Please Process a work order for the contractor, Bodine Environmental Services, Inc. ("Bodine"), not to exceed the amount of \$10,000 for the following Scope of Work (SOW). This work order is to be used by Bodine to develop a Proposal Work Plan (PWP) to undertake cost estimates to remediate the operable unit (an area of approx. 25 + acres), known as the manufacturing and material storage facility area. The manufacturing and materials storage area include the Eagle Zinc site's buildings and related structures used for product manufacturing and materials storage, including the storm water retention system, and the contaminated waste materials in and among the buildings and related structures. The amount of this work order is to be deducted from the Hazardous Waste Fund.

Bodine, the contractor, shall prepare a PWP based on their on-site facility inspection and related Illinois EPA/USEPA document review that may be necessary to complete the inspection and PWP. The PWP shall outline the tasks, subtasks, professional personnel levels, hours, labor, travel, ODCs, and total costs estimated to remediate the facility buildings and related structures.

The PWP tasks for Bodine to undertake include the following:

1. Participate in a conference call(s) with the Illinois EPA to schedule on-site facility building inspections and meeting with Bodine and review facility site maps and site related.

ROCKFORD - 4302 North Main Street, Rockford, IL 61103 ~ (815) 987-7760 • DES Plaines - 9511 W. Harrison St., Des Plaines, IL 60016 ~ (847) 294-4000 ELGIN ~ 595 South State, Elgin, IL 60123 ~ (847) 608-3131 • PEORIA ~ 5415 N. University St., Peoria, IL 61614 ~ (309) 693-5463 • CHAMPAIGN ~ 2125 South First Street, Champaign, IL 61820 ~ (217) 278-5800 SPRINGFIELD ~ 4500 S. Sixth Street Rd., Springfield, IL 62706 ~ (217) 786-6892 PRINGFIELD ~ 4500 S. Sixth Street Rd., Springfield, IL 62706 ~ (217) 786-6892 PRINGFIELD ~ (618) 993-7200

- site related historical documentation on buildings, related structures and possible contaminants determined to be and/or expected to be on-site;
- 2. Provide Cost Estimates, in general, to remediate, decontaminate, remove, and dispose of both on-site and off-site all on-site buildings, structures, foundations, storage pads, storm water drainage structures, and related contaminated waste materials. These materials may include decontamination of bricks for reuse and recycle where possible;
- 3. Provide Cost Estimates to remove and properly dispose of asbestos from the buildings;
- 4. Provide Cost Estimates to remove and decontaminate salvageable metals from the closed manufacturing facility buildings and structures; and
- 5. Provide Cost Estimates to remove and dispose of on-site the zinc oxide and related metals slag materials and contaminated soils from among the buildings, as well as the building's concrete, bricks, metals, and related building wastes for on-site disposal.

The rates, costs and mathematics have been checked and found to be accurate.

Signed/Initials _____ Date _b/10/07

Brett Marshall

From: Smith, Clarence [Clarence.Smith@lllinois.gov]

f :: Wednesday, May 14, 2008 12:04 PM

To: bmarshall@bodineservices.com; Stewart E. Ryckman

Cc: Ayers, Terry; Lanham, Rick; Smith, Clarence; King, Gary

Subject: Eagle Zinc NPL Site RAC Question Responses

We have received the following questions points of understanding from REACT regarding the Eagle Zinc NPL Site evaluation that took place on Wednesday April 30, 2008. These are the only questions that we have received to date.

The points of understanding are:

 The cost estimate to be submitted will include the demolition of the major structures, ancillary steel and metal structures, smokestack and on-site disposal of all materials except asbestos containing materials.

Illinois EPA Response: This is correct, with the exception of any putrescible waste generated in the demolition.

- 2. Removed from the scope (as identified in the Oct. 25, 2007 scope of work) are the following:
 - a. Foundations, storage pads, and storm water drainage structures;
 - b. Remove and dispose of on-site the zinc oxide and related metals slag materials and contaminated soils from among the buildings.

Illinus EPA Response: This is correct.

3. Demolition of major structures includes the removal of equipment and structure to grade or to top the slab.

Illinois EPA Response: This is correct.

4. The scope does not include estimated costs for the consolidating and on-site disposal of the slag or other site remediation tasks.

Illinois EPA Response: This is correct.

5. Remove/Salvage of the existing rail lines are included in the scope.

Illinois EPA Response: This is correct. We have been in contact with the Union Pacific Railroad and it is our understanding from the railroad that Eagle Zinc owned all trackage from the secondary switch into the facility. Our contact with the Union Pacific Railroad is Bill Brindel, 314-288-5278 or 618-286-0448. Footage from the various lines can be calculated from aerial photographs.

6. Salvage scrap value will be calculated based on an estimate of total tonnage generated by the bidding contractors with a benchmark cost for scrap designated.

Illir EPA Response: This is correct.

7. In situations where demolition to the building slab would remain above grade following demolition of the structure, the slab/foundation will not be removed.

Illinois EPA Response: This is correct.

In situations where a wall (concrete, brick, cinderblock, etc.) extends above the slab, the wall will be removed to grade.

Illinois EPA Response: This is correct.

9. The on-site disposal area is the eastern portion of the site.

Illinois EPA Response: At present, the disposal area has not been determined. It is anticipated that the primary area will be west half of the center portion of the northern leg of the site. Imagine if you will a reversed letter L, with the top being north, and the bottom part pointing west and you have a good layout of the site.

The questions are:

1. Is there any acid, oil or sludge remaining in the two Above Ground Storage Tanks or is there an assumed volume we should use?

Illinois EPA Response: These are unknown quantities and should be left as an open cost item.

2. Does Illinois EPA have a time frame for project completion?

Illinois EPA Response: Not at present. The timeframe for moving forward depends on funding avr bility.

3. Is the office building included in the demo?

Illinois EPA Response: No, the office building is to remain, at the request of the City of Hillsboro.

4. Is the scale to be removed?

Illinois EPA Response: All three scales on-site are to be removed.

5. After removal of the rails, are the railroad ties to be removed? If yes, are they to be disposed of on-site?

Illinois EPA Response: All ties are to be removed from the ground. Those not suitable for reuse as landscaping timbers should be bundled, considered solid waste and disposed of off-site. Use as an alternative fuel source is also an acceptable alternative.

6. Are the power poles to be removed? If so, are they to be disposed of on-site?

Illinois EPA Response: All utility poles are to be removed from the ground. Those not suitable for reuse as landscaping timbers should be considered solid waste and disposed of off-site. Use as an alternative fuel source is also an acceptable alternative.

Is the debris from the major structure demolition to be segregated (i.e. concrete, brick, wood, general debris)?

Illinois EPA Response: Yes, debris should be segregated into putrescible and non-putrescible categories. All building materials that are to be recycled (i.e., bricks and steel) should be segregated from these categories.

What is the final grade or appearance of the on-site disposal area? Is the debris to be covered with soil? If so, is borrow available on the site? Is it to be seeded?

Illinois EPA Response: All putrescible wastes should be removed from the site. All recyclable materials should be removed from the site. All slabs should be at grade, except as described above. The site is not to be covered or reseeded.

9. When do the reports from the contractors need to be submitted to Illinois EPA?

Illinois EPA Response: Illinois EPA must submit the results of the inspection to the Circuit Court by Friday, May 23, 3008. The submissions from the contractors should be submitted to Illinois EPA by COB on Wednesday, May 21, 2008.

If there should be any further questions, please let me know. If not, we look forward to your submissions on Wednesday, May 21, 2008.

Respectfully,

Clarence L. Smith, Manager Federal Site Remediation Section Division of Remediation Management Bureau of Land

Illinois Environmental Protection Agency 1021 North Grand Avenue, East Post Office Box 19276 Springfield, Illinois 62794-9276

"Life has no meaning. It is part of the natural world around us - life comes and goes. But lives can have meaning. If every hady feetined on what they can do, the world would be a very different place."

Craig Venter

Bodine Project Number 119855 HWA-6303, Proposal No. 08-0821 May 20, 2008

Appendix B

Aerial Photograph

Bodine Project Number 119855 HWA-6303, Proposal No. 08-0821 May 20, 2008

Appendix C

Cost Proposal

IEPA Cost Proposal - Structure Removal Project Eagle Zinc NPL Site, Hillsboro, Illinois Bodine Environmental Services, Inc. Version 1.0, May 19, 2008

	TASK TASK DESCRIPTION	TASK DURATION (Cal. Days)	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	PERSONNEL	EQUIPMENT	MATERIALS	RIO E	DIRECT COSTS & MATERIAL PURCHASES	SUB. CONTRACTOR	IOR R	SCRAP CREDIT	HANDLING FEE	E TAS	TASK SUBTOTAL
Prepare & Subrr Quality Assuranc	Prepare & Submit Field Sampling Plan (FSP) & Quality Assurance Project Plan (QAPP) for IEPA Angroval	30 days	₩	7,464.50	\$ 78.38	•	€	139.00	€	,	· •	;	₩	7,681.88
Prepare and Sul (PIP) & Health	Prepare and Submit Project Implementation Plan (PIP) & Health and Safoiyet Plan (HSP) for IEPA Annoval	45 days	€9	6,723.40	\$ 39.19	₩	₩	122.00	64		· ·	;	49	6,884.59
Prepare and Su Water Pollu Plans/Spe	Prepare and Submit NPDES Construction Storm Water Pollution Prevention Plan & Other Plans/Specifications for IEPA Approval	20 days	€	4,076 40	\$ 39.19	· υ	\$	122 00	49		₩	:	₩.	4,237.59
Asbestos I Renovati	Asbestos Inspection and Notification of Renovation/Demolition to IEPA-BOA	30 days	↔	7,877.48	\$ 117.57	€9	49	1,348.75	ь		· ·	:	49	9,343.80
Waste Profil Approval by T	Waste Profile Sampling, Analysis and Profile Approval by TSDF for Off-Site Waste Disposal	30 days	€	2,265.88	\$ 39.19	₩	49	834.00	₩.		· · · · ·	4	₩	3,139.07
3ULIE/Util Equipment, D	JULIE/Utility Locates & On-Site Project Equipment, Direct and Materials Expenses (not itemized in other tasks)	120 days	€7	3,536 44	\$ 12,426.42	\$ 1,185.00	\$ 00	1,541.00	933,9	33,920.00	€	;	€9	52,608.86
Project Admi and	Project Administration for Mobilization, On-Site and Demobilization Activities.	120 days	49	24,775.60	\$ 705.42	ω	↔	2,039.50	\$ 13,0	13,000.00	€	:	₩.	40,520.52
Mobilizatio	Mobilization of Personnel, Equipment and Materials	7 days	€9	12,271.36	\$ 2,448.90	€9	₩	765.00	\$	ı		:	₩	15,485.26
Asbestos Aba	Asbestos Abatement - Removal, Transporation and Disposal (Supply Building)	7 days	€	6,384.74	\$ 587.03	\$ 308.14	14 \$	815.00	s		· •	·	49	8,094.91
Health and	Health and Safety & Perimeter Air Monitoring	120 days	₩	5,717.52	\$ 16,397 58	€9	₩.	5,707.50		,		:	\$	27,822.60
Rail Track an	Rail Track and Ties (Estimate 6,000 linear feet)	7 days	69	17,787.90	\$ 5,524.59	\$ 270.05	05 \$	2,950.00	\$ 60,2	60,260.00	\$ (71,400.00)	:	s	15,392.54
	Group 1 Structures	15 days	69	17,787 90	\$ 7,347.40	\$ 589.90	\$ 06	3,162.50	\$ 85 _, C	85,095.00	\$ (6,720 00)	:	√ >	107,262.70
	Group 2 Structures	35 days	↔	119,647 10	\$ 39,906.40	\$ 2,605 50	\$ 20	17,462.50	\$ 282,9	282,997.00	\$ (181,440.00)	-	6	281,178.50
	Group 3 Structures	7 days	€	24,564.70	\$ 8,269.40	\$ 589.90	\$ 06	4,002.50	\$ 44,2	44,230 00	\$ (12,880 00)	-	₩.	68,776.50
	Group 4 Structures	65 days	49	190,694.20	\$ 61,936 50	\$ 4,129.20	20 \$	26,282.50	\$ 421,9	421,934 00	\$ (443,520.00)	-	₩	261,456.40
Perform Proje and Closeou	Perform Project Completion On-Site Inspection and Closeout Activities as Identified by IEPA	7 days	€9	16,782.40	\$ 2,547.20	\$ 1,642.38	38	1,620 00	ь	,	- \$:	₩.	22,591.98
Demobilizati	Demobilization of Personnel, Equipment and Materials	7 days	€9	10,693.84	\$ 2,448.90	\$ 142.38	38 \$	850.00	\$ 13,2	13,220 00	· .	:	s,	27,355.12
Preparati	Preparation and Submission of Project Completion Report	45 days	€9	10,228.00	\$ 156.76	€9.	₩	386.25	₽	,	₩	:	69	10,771.01
101	TOTAL PROJECT COSTS	297 days	49	489,279.36	\$ 161,016.02	\$ 11,462.45	45 *	70,150.00	\$ 954,6	954,656.00	\$ (715,960.00)	23,993.12	12	994,596.95

				Tas	sk 01
Estimated costs prepared and obtained by Bodine Environmental Services, Inc. in accordance with proposed scope of work, as indicated by Client.		Unit Rates from HWA-6303 and ECHOS		Sampling F Quality A Project Plan	Submit Field Plan (FSP) & Assurance n (QAPP) fo Approval
PERSONNEL		Rate	Units	Est. Units	Est. Cost
Clerical	Straight	\$37.06	hour	10 0	\$370.60
	Overtime	\$52.95	hour	1	\$0.00
Chemist	Straight	\$68.82	hour	30.0	\$2,064.60
	Overtime	\$90.00	hour		\$0.00
Field Supervisor	Straight	\$79.41	hour	10.0	\$794.10
Project Manager	Straight	\$105.88	hour	40.0	\$4,235.20
TOTAL PERSONNEL		La estacara	A STATE OF THE STA		\$7,464.50
EQUIPMENT		Rate	Units	Est. Units	Est. Cost

EQUIPMENT		Rate	Units	Est. Units	Est. Cost
Service Vehicle/Truck 4x2	33010102	\$39.19	day	2.0	\$78.38
TOTAL EQUIPMENT		NAME OF STREET			\$78.38

DIRECT COSTS & FIELD PURCHASES (no markup)	Rate	Units	Est. Units	Est. Cost
Fuel (Service Trucks & Equipment), Estimated @ \$4.25/gallon	\$4.25	gallons	8.0	\$34.00
Shipping Charges for Samples/Documents	\$35.00	each	3.0	\$105.00
TOTAL DIRECT COSTS & FIELD PURCHASES	1994 · · · · · · · · · · · · · · · · · ·	en de la companya de	TOP PAGE TOPE TO THE RESERVE THE	\$139.00

TOTAL ESTIMATED COST PERTASK \$7,681,88

				Tas	k 02
				Prepare a	ind Submit
Estimated costs prepared and obtained by				Project Imp	
Bodine Environmental Services, Inc. in				Plan (PIP) 8	
accordance with proposed scope of work, as		Unit Rates from		, ,	
indicated by Client.		HWA-6303 and		•	n (HSP) foi
		ECHOS			pproval
PERSONNEL		Rate	Units	Est. Units	Est. Cost
Clerical	Straight	\$37.06	hour	10.0	\$370.60
	Overtime	\$52.95	hour		\$0.00
Field Supervisor	Straight	\$79.41	hour	20.0	\$1,588.20
Project Manager	Straight	\$105.88	hour	30.0	\$3,176.40
Health & Safety Officer	Straight	\$79.41	hour	20.0	\$1,588.20
TOTAL PERSONNEL					\$6,723.40
EQUIPMENT		Rate	Units	Est. Units	Est. Cost
				4.0	\$39.19
	33010102	\$39.19	day	1.0	
MATERIALS		Rate			\$39,19 Est. Cost
MATERIALS PPE-Disposable Nitrile Sample Gloves	33010423	Rate \$0.22	Units pair		\$39.19 Est. Cost \$0.00
MATERIALS PPE-Disposable Nitrile Sample Gloves PPE-Nitrile Work Gloves Gloves	33010423 No Echos	Rate \$0.22 \$4.00	Units		\$39,19 Est. Cost \$0.00 \$0.00
MATERIALS PPE-Disposable Nitrile Sample Gloves PPE-Nitrile Work Gloves Gloves PPE-Disposable Coveralls (Tyvek/Polycoated)	33010423 No Echos 33010424	Rate \$0.22 \$4.00 \$6.83	Units pair		\$39.49 Est. Cost \$0.00 \$0.00
MATERIALS PPE-Disposable Nitrile Sample Gloves PPE-Nitrile Work Gloves Gloves PPE-Disposable Coveralls (Tyvek/Polycoated) PPE-Disposable PVC Pull-over Booties	33010423 No Echos 33010424 No Echos	Rate \$0.22 \$4.00 \$6.83 \$8.00	Units pair pair		### ##################################
MATERIALS PPE-Disposable Nitrile Sample Gloves PPE-Nitrile Work Gloves Gloves PPE-Disposable Coveralls (Tyvek/Polycoated) PPE-Disposable PVC Pull-over Booties PPE-Repirator Cartridges - HEPA/Metals	33010423 No Echos 33010424 No Echos 33 01 0406	Rate \$0.22 \$4.00 \$6.83 \$8.00 \$15.36	Units pair pair each		Est. Cost \$0.00 \$0.00 \$0.00 \$0.00 \$0.00
MATERIALS PPE-Disposable Nitrile Sample Gloves PPE-Nitrile Work Gloves Gloves PPE-Disposable Coveralls (Tyvek/Polycoated) PPE-Disposable PVC Pull-over Booties PPE-Repirator Cartridges - HEPA/Metals Shower Towels, Disposable	33010423 No Echos 33010424 No Echos 33 01 0406 No Echos	Rate \$0.22 \$4.00 \$6.83 \$8.00 \$15.36 \$48.00	Units pair pair each pair		\$39,19 Est. Cost \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00
MATERIALS PPE-Disposable Nitrile Sample Gloves PPE-Nitrile Work Gloves Gloves PPE-Disposable Coveralls (Tyvek/Polycoated) PPE-Disposable PVC Pull-over Booties PPE-Repirator Cartridges - HEPA/Metals Shower Towels, Disposable	33010423 No Echos 33010424 No Echos 33 01 0406	Rate \$0.22 \$4.00 \$6.83 \$8.00 \$15.36 \$48.00 \$0.30	Units pair pair each pair pair		Est. Cost \$0.00 \$0.00 \$0.00 \$0.00 \$0.00
MATERIALS PPE-Disposable Nitrile Sample Gloves PPE-Nitrile Work Gloves Gloves PPE-Disposable Coveralls (Tyvek/Polycoated) PPE-Disposable PVC Pull-over Booties PPE-Repirator Cartridges - HEPA/Metals Shower Towels, Disposable Dry Ice - Comsumption Rate of 1,000 lbs/day	33010423 No Echos 33010424 No Echos 33 01 0406 No Echos	Rate \$0.22 \$4.00 \$6.83 \$8.00 \$15.36 \$48.00 \$0.30 \$1.50	Units pair pair each pair pair case		\$39.19 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00
MATERIALS PPE-Disposable Nitrile Sample Gloves PPE-Nitrile Work Gloves Gloves PPE-Disposable Coveralls (Tyvek/Polycoated) PPE-Disposable PVC Pull-over Booties PPE-Repirator Cartridges - HEPA/Metals Shower Towels, Disposable Dry Ice - Comsumption Rate of 1,000 lbs/day Drum Labels/DOT Markers Manifests	33010423 No Echos 33010424 No Echos 33 01 0406 No Echos No Echos	Rate \$0.22 \$4.00 \$6.83 \$8.00 \$15.36 \$48.00 \$0.30 \$1.50 \$7.50	Units pair pair each pair pair case pound		\$39.19 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00
MATERIALS PPE-Disposable Nitrile Sample Gloves PPE-Nitrile Work Gloves Gloves PPE-Disposable Coveralls (Tyvek/Polycoated) PPE-Disposable PVC Pull-over Booties PPE-Repirator Cartridges - HEPA/Metals Shower Towels, Disposable Dry Ice - Comsumption Rate of 1,000 lbs/day Drum Labels/DOT Markers Manifests 4-mil Poly Bags (75 count)	33010423 No Echos 33010424 No Echos 33 01 0406 No Echos No Echos No Echos	Rate \$0.22 \$4.00 \$6.83 \$8.00 \$15.36 \$48.00 \$0.30 \$1.50	Units pair pair each pair pair case pound each		\$39.19 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00
MATERIALS PPE-Disposable Nitrile Sample Gloves PPE-Nitrile Work Gloves Gloves PPE-Disposable Coveralls (Tyvek/Polycoated) PPE-Disposable PVC Pull-over Booties PPE-Repirator Cartridges - HEPA/Metals Shower Towels, Disposable Dry Ice - Comsumption Rate of 1,000 lbs/day Drum Labels/DOT Markers Manifests 4-mil Poly Bags (75 count) 4-mil Poly Sheeting (20' by 100')	33010423 No Echos 33010424 No Echos 33 01 0406 No Echos	Rate \$0.22 \$4.00 \$6.83 \$8.00 \$15.36 \$48.00 \$0.30 \$1.50 \$7.50 \$50.00 \$65.00	Units pair pair each pair pair case pound each each roll	Est. Units	\$39.49 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00
MATERIALS PPE-Disposable Nitrile Sample Gloves PPE-Nitrile Work Gloves Gloves PPE-Disposable Coveralls (Tyvek/Polycoated) PPE-Disposable PVC Pull-over Booties PPE-Repirator Cartridges - HEPA/Metals Shower Towels, Disposable Dry Ice - Comsumption Rate of 1,000 lbs/day Drum Labels/DOT Markers Manifests 4-mil Poly Bags (75 count) 4-mil Poly Sheeting (20' by 100')	33010423 No Echos 33010424 No Echos 33 01 0406 No Echos	Rate \$0.22 \$4.00 \$6.83 \$8.00 \$15.36 \$48.00 \$0.30 \$1.50 \$7.50 \$50.00 \$65.00	Units pair pair each pair pair case pound each each roll		\$39.49 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00
MATERIALS PPE-Disposable Nitrile Sample Gloves PPE-Nitrile Work Gloves Gloves PPE-Disposable Coveralls (Tyvek/Polycoated) PPE-Disposable PVC Pull-over Booties PPE-Repirator Cartridges - HEPA/Metals Shower Towels, Disposable Dry Ice - Comsumption Rate of 1,000 lbs/day Drum Labels/DOT Markers Manifests 4-mil Poly Bags (75 count) 4-mil Poly Sheeting (20' by 100') TOTAL MATERIALS DIRECT COSTS & FIELD PURCHASES (no m	33010423 No Echos 33010424 No Echos 33 01 0406 No Echos	Rate \$0.22 \$4.00 \$6.83 \$8.00 \$15.36 \$48.00 \$0.30 \$1.50 \$7.50 \$50.00 \$65.00	Units pair pair each pair pair case pound each each roll	Est. Units	\$39.49 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00
MATERIALS PPE-Disposable Nitrile Sample Gloves PPE-Nitrile Work Gloves Gloves PPE-Disposable Coveralls (Tyvek/Polycoated) PPE-Disposable PVC Pull-over Booties PPE-Repirator Cartridges - HEPA/Metals Shower Towels, Disposable Dry Ice - Comsumption Rate of 1,000 lbs/day Drum Labels/DOT Markers Manifests 4-mil Poly Bags (75 count) 4-mil Poly Sheeting (20' by 100')	33010423 No Echos 33010424 No Echos 33 01 0406 No Echos	Rate \$0.22 \$4.00 \$6.83 \$8.00 \$15.36 \$48.00 \$0.30 \$1.50 \$7.50 \$50.00 \$65.00	Units pair pair each pair pair case pound each each roll	Est. Units	\$39.49 Est. Cost \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00

TOTAL ESTIMATED GOST PER TASK \$6,884.59

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Estimated costs prepared and obtained by				1	Construction
Bodine Environmental Services, Inc. in				1	ter Pollution
accordance with proposed scope of work, as					Plan & Othe
indicated by Client.		Unit Rates from			
		HWA-6303 and			cifications for
		ECHOS		IEPA	Approval
PERSONNEL		Rate	Units	Est. Units	Est. Cost
Clerical	Straight	\$37.06	hour	10.0	\$370.60
	Overtime	\$52.95	hour		\$0.00
Field Supervisor	Straight	\$79.41	hour	20.0	\$1,588.20
Project Manager	Straight	\$105.88	hour	20.0	\$2,117.60
TOTAL PERSONNEL		1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1			\$4,076.40
EQUIPMENT		Rate	Units	Est. Units	Est. Cost
Service Vehicle/Truck 4x2	33010102	\$39.19	day	1.0	\$39.19
TOTAL EQUIPMENT					\$39.19
MATERIALS		Rate	Units	Est. Units	Est. Cost
PPE-Disposable Nitrile Sample Gloves	33010423	\$0.22	pair		\$0.00
PPE-Nitrile Work Gloves Gloves	No Echos	\$4.00	pair		\$0.00
PPE-Disposable Coveralls (Tyvek/Polycoated)	33010424	\$6.83	each		\$0.00
PPE-Disposable PVC Pull-over Booties	No Echos	\$8.00	pair		\$0.00
PPE-Repirator Cartridges - HEPA/Metals	33 01 0406	\$15.36	pair		\$0.00
Shower Towels, Disposable	No Echos	\$48.00	case		\$0.00
Dayles Compumption Pate of 1 000 lbalday	No Echos	\$0.30	pound	1	\$0.00
Dry Ice - Comsumption Rate of 1,000 lbs/day	NO ECHOS	φυ.υυ	pound	1	Ψ0.00
Drum Labels/DOT Markers	No Echos	\$1.50	each		\$0.00

DIRECT COSTS & FIELD PURCHASES (no markup)	Rate	Units	Est. Units	Est. Cost
Fuel (Service Trucks & Equipment), Estimated @ \$4.25/gallon	\$4.25	gallons	4.0	\$17.00
Shipping Charges for Samples/Documents	\$35.00	each	3.0	\$105.00
TOTAL DIRECT COSTS & FIELD PURCHASES				\$122.00

1 2135

\$7.50

\$50.00

\$65.00

each

roll

roll

APP OF MARKET

No Echos

No Echos

No Echos

T. 1986

TOTAL ESTIMATED COST PER TASK

Manifests

4-mil Poly Bags (75 count)

4-mil Poly Sheeting (20' by 100')

TOTAL MATERIALS

\$0.00

\$0.00

\$0.00

\$0.00

Estimated costs prepared and obtained by Bodine Environmental Services, Inc. in accordance with proposed scope of work, as indicated by Client.		Unit Rates from HWA-6303 and ECHOS		Asbestos Ir Notific Renovatio	sk 04 Inspection and cation of Inspection of Inspection OPA-BOA
PERSONNEL		Rate	Units	Est. Units	Est. Cost
Clerical	Straight	\$37.06	hour	4.0	\$148.24
	Overtime	\$52.95	hour		\$0.00
Field Supervisor	Straight	\$79.41	hour	40.0	\$3,176.40
Project Manager	Straight	\$105.88	hour	40.0	\$4,235.20
Health & Safety Officer	Straight	\$79.41	hour	4.0	\$317.64
TOTAL PERSONNEL	WAS TO THE RESERVE	· · · · · · · · · · · · · · · · · · ·	to a second of the second		\$7,877.48

EQUIPMENT	-	Rate	Units	Est. Units	Est. Cost
Service Vehicle/Truck 4x2	33010102	\$39.19	day	3.0	\$117.57
TOTAL EQUIPMENT	eres.	ga liftin di		AND BEEN SEE	\$117.57

DIRECT COSTS & FIELD PURCHASES (no markup)	Rate	Units	Est. Units	Est. Cost
Fuel (Service Trucks & Equipment), Estimated @ \$4.25/gallon	\$4.25	gallons	15.0	\$63.75
Federal, State, County and Municipal Fees	\$1.00	Units	150.0	\$150.00
Analytical - Asbestos Sample Analysis	\$10.00	each	100.0	\$1,000.00
Sampling Supplies (Sting, Ice, etc.)	\$50.00	each	2.0	\$100.00
Shipping Charges for Samples/Documents	\$35.00	each	1.0	\$35.00
TOTAL DIRECT COSTS & FIELD PURCHASES	The state of the s		TO WELL	\$1,348.75

TOTAL ESTIMATED COST PER TASK. \$9,343.80

Estimated costs prepared and obtained by Bodine Environmental Services, Inc. in accordance with proposed scope of work, as indicated by Client.		Unit Rates from HWA-6303 and ECHOS		Task 05 Waste Profile Sampling, Analysis and Profile Approval by TSDF for Off-Site Waste Disposal	
PERSONNEL		Rate	Units	Est. Units	Est. Cost
Project Technician, HazMat	Straight	\$58.24	hour	8.0	\$465.92
(Decon steel/structures and others)	Overtime	\$79.41	hour	2.0	\$158.82
Field Supervisor	Straight	\$79.41	hour	10.0	\$794.10
Project Manager	Straight	\$105.88	hour	8.0	\$847.04
TOTAL PERSONNEL	ter	SAME ALL SAME SAME	Variation of the state of the s		\$2,265.88

EQUIPMENT		Rate	Units	Est. Units	Est. Cost
Service Vehicle/Truck 4x2	33010102	\$39.19	day	1.0	\$39.19
TOTAL EQUIPMENT					\$39.19

MATERIALS		Rate	Units	Est. Units	Est. Cost
PPE-Disposable Nitrile Sample Gloves	33010423	\$0.22	pair		\$0.00
PPE-Nitrile Work Gloves Gloves	No Echos	\$4.00	pair		\$0.00
PPE-Disposable Coveralls (Tyvek/Polycoated)	33010424	\$6.83	each		\$0.00
PPE-Disposable PVC Pull-over Booties	No Echos	\$8.00	pair		\$0.00
PPE-Repirator Cartridges - HEPA/Metals	33 01 0406	\$15.36	pair		\$0.00
Shower Towels, Disposable	No Echos	\$48.00	case		\$0.00
Dry Ice - Comsumption Rate of 1,000 lbs/day	No Echos	\$0.30	pound		\$0.00
Drum Labels/DOT Markers	No Echos	\$1.50	each		\$0.00
Manifests	No Echos	\$7.50	each		\$0.00
4-mil Poly Bags (75 count)	No Echos	\$50.00	roil		\$0.00
4-mil Poly Sheeting (20' by 100')	No Echos	\$65.00	roll		\$0.00
TOTAL MATERIALS	12/2			1 60 W 1 9 F	\$0.00

DIRECT COSTS & FIELD PURCHASES (no markup)	Rate	Units	Est. Units	Est. Cost
Fuel (Service Trucks & Equipment), Estimated @ \$4.25/gallon	\$4.25	gallons	8.0	\$34.00
Analytical - Waste Profile Sample Analysis	\$800.00	each	1.0	\$800.00
TOTAL DIRECT COSTS & FIELD PURCHASES			uman - Bener	\$834.00

TOTAL ESTIMATED COST PER TASK

					Tas	k 06
					JULIE/Utility I	ocates & Or
Estimated costs prepared and obtained by	1					Equipment,
Bodine Environmental Services, Inc. in					1	Materials
accordance with proposed scope of work, a	as	Unit R	ates from		1	
indicated by Client.		HWA-6	6303 and			ot itemized in
·		EC	CHOS			tasks)
PERSONNEL			Rate	Units	Est. Units	Est. Cost
Project Technician, HazMat	Straight	\$5	8.24	hour	8.0	\$465.92
Decon steel/structures and others)	Overtime	\$7	79.41	hour	2.0	\$158.82
Field Supervisor	Straight		79.41	hour	10.0	\$794.10
Project Manager	Straight		05.88	hour	20.0	\$2,117.60
OTAL PERSONNEL		فينية المناب	i juit			\$3,536.44
EQUIPMENT			Rate	Units	Est. Units	Est. Cost
Service Vehicle/Truck 4x2	33010102		39.19	dav	2.0	\$78.38
Service Vehicle/Auto	33010102		50.27	day	1.0	\$50.27
4x4 Service Vehicle	CODMA		10.65	hour	8.0	\$85.20
Temporary Office, 32' x 8'	99140102		63.22	month	4.0	\$1,052.88
Temporary Office, 32 x 8 Temporary Storage Trailer, 16' x 8'	99140201		36.10	month	4.0	\$344.40
21,000-gallon Steel Holding Tank	19040407		297.00	month	4.0	\$5,188.00
GPS, Trimble GH (submeter accuracy)	No Echos		50.00	week	4.0	\$1,000.00
Personal Low Flow Sampling Pump	33 02 0314		12.89	month	4.0	\$851.56
Ambient Air Monitor	33 02 0314		67.87	month	4.0	\$3,071.48
Trash Pump - 3", 150 GPM	17 03 1003		16.95	day	15.0	\$704.25
TOTAL EQUIPMENT						
MATERIALS			Rate	Units	Est. Units	Est. Cost
Drum Labels/DOT Markers	No Echos		1.50	each	50.0	\$75.00
Manifests	No Echos		7.50	each	100.0	\$750.00
4-mil Poly Bags (75 count)	No Echos		50.00	roll	2.0	\$100.00
4-mil Poly Sheeting (20' by 100')	No Echos		35.00	roll	4.0	\$260.00
TOTAL MATERIALS						
DIRECT COSTS & FIELD PURCHASES (no	markup)	F	Rate	Units	Est. Units	Est. Cost
uel (Service Trucks & Equipment), Estimate			4.25	gallons	60.0	\$255.00
Utilities (Electric, Phone, Internet)	<u> </u>		50.00	Est./Month	4.0	\$1,000.00
Hotel			70.00	day	1.0	\$70.00
Per Diem	· · · · · · · · · · · · · · · · · · ·		28.00	day	2.0	\$56.00
Drinking Water, Job Trailer	····		40.00	Est./Month	4.0	\$160.00
TOTAL DIRECT COSTS & FIELD PURCHA	SES	i i i				\$1,541.00
SUBCONTRACTORS					•	
Private Utility Locating Company		Ts -	2,000.00	Quotes	1.0	\$2,000.00
Portable Sanitation Services		\$	150.00	Est./Month	4.0	\$600.00
Electrical Sub Temp. Power Job Trailer		\$	2,200.00	Quotes	1.0	\$2,200.00
		1 10	2 2 1 N 1 1 N 1 1	Quotes	1.0	⊅∠.∠∪∪.∪∪
Site Security Firm, Non-Working Periods, \$1	3/hr 128 hr/ul	\$	1,664.00	Week	17.5	\$29,120,00

TOTAL ESTIMATED COST PER TASK. \$52,608.86

				Tas	sk 07
Estimated costs prepared and obtained by				Project Adm	ninistration for
Bodine Environmental Services, Inc. in		Unit Rates from			, On-Site and
accordance with proposed scope of work, as		HWA-6303 and		I	
indicated by Client.		ECHOS			ion Activities.
PERSONNEL		Rate	Units	Est. Units	Est. Cost
Clerical	Straight	\$37.06	hour	30.0	\$1,111.80
	Overtime	\$52.95	hour		\$0.00
Truck Driver, HazMat	Straight	\$63.52	hour	40.0	\$2,540.80
On-site Water Truck)	Overtime	\$84.70	hour		\$0.00
Chemist	Straight	\$68.82	hour	30.0	\$2,064.60
	Overtime	\$90.00	hour		\$0.00
Field Supervisor	Straight	\$79.41	hour	40.0	\$3,176.40
Project Manager	Straight	\$105.88	hour	120.0	\$12,705.60
i roject manage:			1	40.0	\$3,176.40
Health & Safety Officer TOTAL PERSONNEL	Straight	\$79.41 Rate	hour Units	Est. Units	
Health & Safety Officer TOTAL PERSONNEL	Straight		er og er		* \$24,775.60
Health & Safety Officer TOTAL PERSONNEL EQUIPMENT Service Vehicle/Truck 4x2	33010102	Rate \$39.19	Units	Est. Units	* \$24,775.60 Est. Cost
Health & Safety Officer TOTAL PERSONNEL EQUIPMENT Service Vehicle/Truck 4x2 TOTAL MATERIALS	33010102	Rate \$39.19	Units day	Est. Units 18.0	\$24,775.60 Est. Cost \$705.42
Health & Safety Officer TOTAL PERSONNEL EQUIPMENT Service Vehicle/Truck 4x2 TOTAL MATERIALS DIRECT COSTS & FIELD PURCHASES (no m	33010102 narkup)	Rate \$39.19	Units day	Est. Units 18.0	Est. Cost \$705.42
Health & Safety Officer TOTAL PERSONNEL EQUIPMENT Service Vehicle/Truck 4x2 TOTAL MATERIALS DIRECT COSTS & FIELD PURCHASES (no magnetic forms), Estimated	33010102 narkup)	Rate \$39.19	Units day Units	Est. Units 18.0 Est. Units	Est. Cost \$705.42 \$705.42 Est. Cost
Health & Safety Officer TOTAL PERSONNEL EQUIPMENT Service Vehicle/Truck 4x2 TOTAL MATERIALS DIRECT COSTS & FIELD PURCHASES (no ride) Fuel (Service Trucks & Equipment), Estimated Analytical - Perimeter Air Sample Analysis	33010102 markup) @ \$4.25/gallon	Rate \$39.19 Rate \$4.25	Units day Units gallons	Est. Units 18.0 Est. Units 90.0	Est. Cost \$705.42 \$705.42 Est. Cost \$382.50
Health & Safety Officer TOTAL PERSONNEL EQUIPMENT Service Vehicle/Truck 4x2 TOTAL MATERIALS DIRECT COSTS & FIELD PURCHASES (no magnetic form of the content of the cont	33010102 markup) @ \$4.25/gallon	Rate \$39.19 Rate \$4.25 \$75.00	Units day Units gallons each	Est. Units 18.0 Est. Units 90.0 1.0	Est. Cost \$705.42 \$705.42 Est. Cost \$382.50 \$75.00
Health & Safety Officer TOTAL PERSONNEL EQUIPMENT Service Vehicle/Truck 4x2 TOTAL MATERIALS DIRECT COSTS & FIELD PURCHASES (no magnetic formula fo	33010102 markup) @ \$4.25/gallon	Rate \$39.19 Rate \$4.25 \$75.00 \$125.00	Units day Units gallons each each	Est. Units 18.0 Est. Units 90.0 1.0 1.0	Est. Cost \$705.42 \$705.42 Est. Cost \$382.50 \$75.00 \$125.00
Health & Safety Officer TOTAL PERSONNEL EQUIPMENT Service Vehicle/Truck 4x2 TOTAL MATERIALS DIRECT COSTS & FIELD PURCHASES (no musual from the full (Service Trucks & Equipment), Estimated Analytical - Perimeter Air Sample Analysis Analytical - Surface & Storm Water Sample An Sampling Supplies (Sting, Ice, etc.) Shipping Charges for Samples/Documents	33010102 markup) @ \$4.25/gallon	Rate \$39.19 Rate \$4.25 \$75.00 \$125.00 \$50.00	Units day Units gallons each each	Est. Units 18.0 Est. Units 90.0 1.0 1.0 5.0	Est. Cost \$705.42 \$705.42 Est. Cost \$382.50 \$75.00 \$125.00 \$250.00
Health & Safety Officer TOTAL PERSONNEL EQUIPMENT Service Vehicle/Truck 4x2 TOTAL MATERIALS DIRECT COSTS & FIELD PURCHASES (no magnetic formula fo	33010102 markup) @ \$4.25/gallon	Rate \$39.19 Rate \$4.25 \$75.00 \$125.00 \$50.00 \$35.00	Units day Units gallons each each each each	Est. Units 18.0 Est. Units 90.0 1.0 1.0 5.0 5.0	Est. Cost \$705.42 \$705.42 \$705.42 Est. Cost \$382.50 \$75.00 \$125.00 \$250.00 \$175.00
Health & Safety Officer TOTAL PERSONNEL EQUIPMENT Service Vehicle/Truck 4x2 TOTAL MATERIALS DIRECT COSTS & FIELD PURCHASES (no reference of the properties of the properti	33010102 narkup) @ \$4.25/gallon alysis	Rate \$39.19 Rate \$4.25 \$75.00 \$125.00 \$50.00 \$35.00 \$200.00	Units day Units gallons each each each Month CYD	Est. Units 18.0 Est. Units 90.0 1.0 1.0 5.0 5.0 4.0 4.0	Est. Cost \$705.42 \$705.42 \$705.42 Est. Cost \$382.50 \$75.00 \$125.00 \$250.00 \$175.00 \$800.00 \$232.00
Health & Safety Officer TOTAL PERSONNEL EQUIPMENT Service Vehicle/Truck 4x2 TOTAL MATERIALS DIRECT COSTS & FIELD PURCHASES (no magnetic form of the content of the cont	33010102 narkup) @ \$4.25/gallon alysis	Rate \$39.19 Rate \$4.25 \$75.00 \$125.00 \$50.00 \$35.00 \$200.00 \$58.00	Units day Units gallons each each each Month CYD	Est. Units 18.0 Est. Units 90.0 1.0 1.0 5.0 5.0 4.0 4.0	Est. Cost \$705.42 \$705.42 \$705.42 Est. Cost \$382.50 \$75.00 \$125.00 \$250.00 \$175.00 \$800.00 \$232.00

Estimated costs prepared and obtain Bodine Environmental Services, In-	c. in	Unit Rates from			sk 08
accordance with proposed scope of w	ork, as	HWA-6303 and ECHOS		1	of Personnel, and Materials
indicated by Client.			linito	Est. Units	Est. Cost
PERSONNEL		Rate	Units		
Project Technician, HazMat	Straight	\$58.24	hour	40.0	\$2,329.60
(Decon steel/structures and others)	Overtime	\$79.41	hour	10.0	\$794.10
Truck Driver, HazMat	Straight	\$63.52	hour	40.0	\$2,540.80
(On-site Water Truck)	Overtime	\$84.70	hour	10.0	\$847.00
Equipment Operator, HazMat	Straight	\$68.82	hour	8.0	\$550.56
(On-site 953 & Off Road Truck)	Overtime	\$90.00	hour	2.0	\$180.00
Field Supervisor	Straight	\$79,41	hour	50.0	\$3,970.50
Project Manager	Straight	\$105.88	hour	10.0	\$1,058.80
TOTAL PERSONNEL	S SALE TO SELECT	Andrews Andrews	and the landing of	-927 X	\$12,271.36

EQUIPMENT		Rate	Units	Est. Units	Est. Cost
Service Vehicle/Truck 4x2	33010102	\$39.19	day	5.0	\$195.95
Service Vehicle/Auto	33010108	\$50.27	day	5.0	\$251.35
4x4 Service Vehicle	CODMA	\$10.65	hour	40.0	\$426.00
2-Axle, Truck 21,700 GVW, 4x2 (Cube Van)	33010109	\$135.50	day	2.0	\$271.00
Semi Tractor -3-axle, 46,000 GVW	XTRHC	\$43.95	hour	20.0	\$879.00
Lowboy or Roll-off Trailer	XXPLD	\$21.28	hour	20.0	\$425.60
TOTAL EQUIPMENT		familia di	kali lii ji		\$2,448.90

DIRECT COSTS & FIELD PURCHASES (no markup)	Rate	Units	Est. Units	Est. Cost
Fuel (Service Trucks & Equipment), Estimated @ \$4.25/gallon	\$4.25	gallons	180.0	\$765.00
TOTAL DIRECT COSTS & FIELD PURCHASES	Nown your and the second	- 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1		\$765.00

TOTAL ESTIMATED COST PER TASK

				Tas	k 09
Estimated costs prepared and obtained by				Asbestos A	batement -
Bodine Environmental Services, Inc. in				Removal T	ransporation
accordance with proposed scope of work, as		Unit Rates from			sal (Supply
indicated by Client.		HWA-6303 and			
•		ECHOS		l .	ding)
PERSONNEL	T	Rate	Units	Est. Units	Est. Cost
Project Technician, HazMat	Straight	\$58.24	hour	40.0	\$2,329.60
Decon steel/structures and others)	Overtime	\$79.41	hour	10.0	\$794.10
Truck Driver, HazMat	Straight	\$63.52	hour	8.0	\$508.16
On-site Water Truck)	Overtime	\$84.70	hour		\$0.00
Field Supervisor	Straight	\$79.41	hour	20.0	\$1,588.20
Project Manager	Straight	\$105.88	hour	8.0	\$847.04
Health & Safety Officer TOTAL PERSONNEL	Straight	\$79.41	hour	4.0	\$317.64
EQUIPMENT		Rate	Units	Est. Units	Est. Cost
Service Vehicle/Truck 4x2	33010102	\$39.19	day	5.0	\$195.95
4x4 Service Vehicle	CODMA	\$10.65	hour	20.0	\$213.00
2-Axle, Truck 21,700 GVW, 4x2 (Cube Van)	33010109	\$135.50	day	1.0	\$135.50
Personal Low Flow Sampling Pump	33 02 0314	\$212.89	month	0.2	\$42.58
wakendaranan	Wir the Charles	TO THE DID IN THE BOOK OF THE B	Car To Iffici	wasii? Timeday in alaaba in iii	. " #50\"\\
		Rate	Units	Est. Units	Est. Cost
MATERIALS PPE-Disposable Nitrile Sample Gloves	33010423	Rate \$0.22			Est. Cost \$0.88
MATERIALS PPE-Disposable Nitrile Sample Gloves		Rate	Units	Est. Units	Est. Cost
MATERIALS PPE-Disposable Nitrile Sample Gloves PPE-Nitrile Work Gloves Gloves	33010423 No Echos 33010424	Rate \$0.22	Units pair	Est. Units	Est. Cost \$0.88
MATERIALS PPE-Disposable Nitrile Sample Gloves PPE-Nitrile Work Gloves Gloves PPE-Disposable Coveralls (Tyvek/Polycoated) PPE-Disposable PVC Pull-over Booties	33010423 No Echos	\$0.22 \$4.00 \$6.83 \$8.00	Units pair pair	Est. Units 4.0 4.0	\$0.88 \$16.00
MATERIALS PPE-Disposable Nitrile Sample Gloves PPE-Nitrile Work Gloves Gloves PPE-Disposable Coveralls (Tyvek/Polycoated) PPE-Disposable PVC Pull-over Booties PPE-Repirator Cartridges - HEPA/Metals	33010423 No Echos 33010424	\$0.22 \$4.00 \$6.83	Units pair pair each	4.0 4.0 4.0 4.0	\$0.88 \$16.00 \$27.32
MATERIALS PPE-Disposable Nitrile Sample Gloves PPE-Nitrile Work Gloves Gloves PPE-Disposable Coveralls (Tyvek/Polycoated) PPE-Disposable PVC Pull-over Booties PPE-Repirator Cartridges - HEPA/Metals	33010423 No Echos 33010424 No Echos	\$0.22 \$4.00 \$6.83 \$8.00 \$15.36 \$48.00	Units pair pair each pair	Est. Units 4.0 4.0 4.0 4.0 4.0	\$0.88 \$16.00 \$27.32 \$32.00
PPE-Disposable Nitrile Sample Gloves PPE-Nitrile Work Gloves Gloves PPE-Disposable Coveralls (Tyvek/Polycoated) PPE-Disposable PVC Pull-over Booties PPE-Repirator Cartridges - HEPA/Metals Shower Towels, Disposable	33010423 No Echos 33010424 No Echos 33 01 0406	\$0.22 \$4.00 \$6.83 \$8.00 \$15.36 \$48.00 \$7.50	Units pair pair each pair pair	4.0 4.0 4.0 4.0 4.0 4.0	\$0.88 \$16.00 \$27.32 \$32.00 \$61.44
PPE-Disposable Nitrile Sample Gloves PPE-Nitrile Work Gloves Gloves PPE-Disposable Coveralls (Tyvek/Polycoated) PPE-Disposable PVC Pull-over Booties PPE-Repirator Cartridges - HEPA/Metals Shower Towels, Disposable Manifests 4-mil Poly Bags (75 count)	33010423 No Echos 33010424 No Echos 33 01 0406 No Echos	\$0.22 \$4.00 \$6.83 \$8.00 \$15.36 \$48.00 \$7.50 \$50.00	Units pair pair each pair pair case	Est. Units 4.0 4.0 4.0 4.0 4.0 4.0 1.0	Est. Cost \$0.88 \$16.00 \$27.32 \$32.00 \$61.44 \$48.00
MATERIALS PPE-Disposable Nitrile Sample Gloves PPE-Nitrile Work Gloves Gloves PPE-Disposable Coveralls (Tyvek/Polycoated) PPE-Disposable PVC Pull-over Booties PPE-Repirator Cartridges - HEPA/Metals Shower Towels, Disposable Manifests 4-mil Poly Bags (75 count) 4-mil Poly Sheeting (20' by 100')	33010423 No Echos 33010424 No Echos 33 01 0406 No Echos No Echos No Echos No Echos	\$0.22 \$4.00 \$6.83 \$8.00 \$15.36 \$48.00 \$7.50 \$50.00 \$65.00	Units pair pair each pair pair case each	### Est. Units 4.0 4.0 4.0 4.0 4.0 1.0 1.0 1.0	\$0.88 \$16.00 \$27.32 \$32.00 \$61.44 \$48.00 \$7.50 \$50.00 \$65.00
MATERIALS PPE-Disposable Nitrile Sample Gloves PPE-Nitrile Work Gloves Gloves PPE-Disposable Coveralls (Tyvek/Polycoated) PPE-Disposable PVC Pull-over Booties PPE-Repirator Cartridges - HEPA/Metals Shower Towels, Disposable Manifests 4-mil Poly Bags (75 count)	33010423 No Echos 33010424 No Echos 33 01 0406 No Echos No Echos No Echos No Echos	\$0.22 \$4.00 \$6.83 \$8.00 \$15.36 \$48.00 \$7.50 \$50.00 \$65.00	Units pair pair each pair pair case each roll	Est. Units 4.0 4.0 4.0 4.0 4.0 1.0 1.0 1.0	Est. Cost \$0.88 \$16.00 \$27.32 \$32.00 \$61.44 \$48.00 \$7.50 \$50.00
PPE-Disposable Nitrile Sample Gloves PPE-Nitrile Work Gloves Gloves PPE-Disposable Coveralls (Tyvek/Polycoated) PPE-Disposable PVC Pull-over Booties PPE-Repirator Cartridges - HEPA/Metals Shower Towels, Disposable Wanifests 4-mil Poly Bags (75 count) 4-mil Poly Sheeting (20' by 100') TOTAL MATERIALS DIRECT COSTS & FIELD PURCHASES (no n	33010423 No Echos 33010424 No Echos 33 01 0406 No Echos No Echos No Echos No Echos	Rate \$0.22 \$4.00 \$6.83 \$8.00 \$15.36 \$48.00 \$7.50 \$50.00 \$65.00	Units pair pair each pair pair case each roll roll Units	Est. Units 4.0 4.0 4.0 4.0 4.0 1.0 1.0 1.0	Est. Cost \$0.88 \$16.00 \$27.32 \$32.00 \$61.44 \$48.00 \$7.50 \$50.00 \$65.00 \$308.24 Est. Cost
PPE-Disposable Nitrile Sample Gloves PPE-Nitrile Work Gloves Gloves PPE-Disposable Coveralls (Tyvek/Polycoated) PPE-Disposable PVC Pull-over Booties PPE-Repirator Cartridges - HEPA/Metals Shower Towels, Disposable Manifests 4-mil Poly Bags (75 count) 4-mil Poly Sheeting (20' by 100') TOTAL MATERIALS DIRECT COSTS & FIELD PURCHASES (no neful (Service Trucks & Equipment), Estimated	33010423 No Echos 33010424 No Echos 33 01 0406 No Echos No Echos No Echos No Echos	Rate \$0.22 \$4.00 \$6.83 \$8.00 \$15.36 \$48.00 \$7.50 \$50.00 \$65.00 Rate \$4.25	Units pair pair each pair pair case each roll roll	Est. Units 4.0 4.0 4.0 4.0 1.0 1.0 1.0 1.0	Est. Cost \$0.88 \$16.00 \$27.32 \$32.00 \$61.44 \$48.00 \$7.50 \$50.00 \$65.00 \$65.00 Est. Cost \$136.00
PPE-Disposable Nitrile Sample Gloves PPE-Nitrile Work Gloves Gloves PPE-Disposable Coveralls (Tyvek/Polycoated) PPE-Disposable PVC Pull-over Booties PPE-Repirator Cartridges - HEPA/Metals Shower Towels, Disposable Manifests 4-mil Poly Bags (75 count) 4-mil Poly Sheeting (20' by 100') TOTAL MATERIALS DIRECT COSTS & FIELD PURCHASES (no neful (Service Trucks & Equipment), Estimated Hotel	33010423 No Echos 33010424 No Echos 33 01 0406 No Echos No Echos No Echos No Echos	Rate \$0.22 \$4.00 \$6.83 \$8.00 \$15.36 \$48.00 \$7.50 \$50.00 \$65.00 Rate \$4.25 \$70.00	Units pair pair each pair pair case each roll roll Units	Est. Units 4.0 4.0 4.0 4.0 4.0 1.0 1.0 1.0	Est. Cost \$0.88 \$16.00 \$27.32 \$32.00 \$61.44 \$48.00 \$7.50 \$50.00 \$65.00 \$65.00 Est. Cost \$136.00 \$210.00
PPE-Disposable Nitrile Sample Gloves PPE-Disposable Nitrile Sample Gloves PPE-Disposable Coveralls (Tyvek/Polycoated) PPE-Disposable PVC Pull-over Booties PPE-Repirator Cartridges - HEPA/Metals Shower Towels, Disposable Manifests 4-mil Poly Bags (75 count) 4-mil Poly Sheeting (20' by 100') POTAL MATERIALS DIRECT COSTS & FIELD PURCHASES (no new fuel (Service Trucks & Equipment), Estimated Hotel Per Diem	33010423 No Echos 33010424 No Echos 33 01 0406 No Echos Queen and American and Am	Rate \$0.22 \$4.00 \$6.83 \$8.00 \$15.36 \$48.00 \$7.50 \$50.00 \$65.00 Rate \$4.25 \$70.00 \$28.00	Units pair pair each pair pair case each roll roll Units gallons	Est. Units 4.0 4.0 4.0 4.0 1.0 1.0 1.0 1.0	\$16.00 \$27.32 \$32.00 \$61.44 \$48.00 \$7.50 \$50.00 \$65.00 \$308.44 \$308.44
PPE-Disposable Nitrile Sample Gloves PPE-Nitrile Work Gloves Gloves PPE-Disposable Coveralls (Tyvek/Polycoated) PPE-Disposable PVC Pull-over Booties PPE-Repirator Cartridges - HEPA/Metals Shower Towels, Disposable Manifests 4-mil Poly Bags (75 count) 4-mil Poly Sheeting (20' by 100') TOTAL MATERIALS DIRECT COSTS & FIELD PURCHASES (no new fuel (Service Trucks & Equipment), Estimated Hotel Per Diem Analytical - Health & Safety Air Sample Analysis	33010423 No Echos 33010424 No Echos 33 01 0406 No Echos Queen and American and Am	Rate \$0.22 \$4.00 \$6.83 \$8.00 \$15.36 \$48.00 \$7.50 \$50.00 \$65.00 Rate \$4.25 \$70.00 \$28.00 \$75.00	Units pair pair each pair pair case each roll roll Units gallons day	Est. Units 4.0 4.0 4.0 4.0 1.0 1.0 1.0 1.0	\$16.00 \$27.32 \$32.00 \$61.44 \$48.00 \$7.50 \$50.00 \$65.00 \$308.44 Est. Cost \$136.00 \$210.00 \$168.00 \$150.00
PPE-Disposable Nitrile Sample Gloves PPE-Nitrile Work Gloves Gloves PPE-Disposable Coveralls (Tyvek/Polycoated) PPE-Disposable PVC Pull-over Booties PPE-Repirator Cartridges - HEPA/Metals Shower Towels, Disposable Manifests 4-mil Poly Bags (75 count) 4-mil Poly Sheeting (20' by 100')	33010423 No Echos 33010424 No Echos 33 01 0406 No Echos Queen and American and Am	Rate \$0.22 \$4.00 \$6.83 \$8.00 \$15.36 \$48.00 \$7.50 \$50.00 \$65.00 Rate \$4.25 \$70.00 \$28.00	Units pair pair each pair pair case each roll roll Units gallons day day	Est. Units 4.0 4.0 4.0 4.0 1.0 1.0 1.0 1.0	Est. Cost \$0.88 \$16.00 \$27.32 \$32.00 \$61.44 \$48.00 \$7.50 \$50.00 \$65.00 \$65.00 \$308.14 Est. Cost \$136.00 \$210.00 \$168.00

TOTAL ESTIMATED COST PERTASK

Estimated costs prepared and obtained	by			Tas	k 10
Bodine Environmental Services, Inc. ii accordance with proposed scope of work indicated by Client.	٦	Unit Rates from HWA-6303 and ECHOS			d Safety & ir Monitoring
PERSONNEL		Rate	Units	Est. Units	Est. Cost
Health & Safety Officer	Straight	\$79.41	hour	72.0	\$5,717.52
TOTAL PERSONNEL	李 黄鹂名 [25]				\$5,717.52
EQUIPMENT		Rate	Units	Est. Units	Est. Cost
	33010102	Rate \$39.19	Units day	Est. Units 18.0	Est. Cost \$705.42
Service Vehicle/Truck 4x2	33010102 33 02 0314			<u> </u>	
Service Vehicle/Truck 4x2 Personal Low Flow Sampling Pump		\$39.19	day	18.0	\$705.42
Service Vehicle/Truck 4x2 Personal Low Flow Sampling Pump Ambient Air Monitor	33 02 0314	\$39.19 \$212.89	day month month	18.0 16.0 16.0	\$705.42 \$3,406.24
EQUIPMENT Service Vehicle/Truck 4x2 Personal Low Flow Sampling Pump Ambient Air Monitor TOTAL EQUIPMENT DIRECT COSTS & FIELD PURCHASES (33 02 0314 33 02 0315	\$39.19 \$212.89 \$767.87	day month month	18.0 16.0 16.0	\$705.42 \$3,406.24 \$12,285.92

DIRECT COSTS & FIELD PURCHASES (no markup)	Rate	Units	Est. Units	Est. Cost
Fuel (Service Trucks & Equipment), Estimated @ \$4.25/gallon	\$4.25	gallons	30.0	\$127.50
Analytical - Perimeter Air Sample Analysis	\$75.00	each	36.0	\$2,700.00
Analytical - Health & Safety Air Sample Analysis	\$75.00	each	18.0	\$1,350.00
Sampling Supplies (Sting, Ice, etc.)	\$50.00	each	18.0	\$900.00
Shipping Charges for Samples/Documents	\$35.00	each	18.0	\$630.00
TOTAL DIRECT COSTS & FIELD PURCHASES	er je endê ji. jî yê	liju - rakt, prakt		\$5,707.50

TOTAL ESTIMATED COST PER TASK \$27,822.60

				Tas	sk 11
Estimated costs prepared and obtained by					
Bodine Environmental Services, Inc. in		Unit Rates from		5	
accordance with proposed scope of work, as		HWA-6303 and		Rail Track and Ties	
indicated by Client.		ECHOS		(Estimate 6,0	000 linear fee
PERSONNEL		Rate	Units	Est. Units	Est. Cost
Project Technician, HazMat	Straight	\$58.24	hour	80.0	\$4,659.20
Decon steel/structures and others)	Overtime	\$79.41	hour	20.0	\$1,588.20
Truck Driver, HazMat	Straight	\$63.52	hour	40.0	\$2,540.80
On-site Water Truck)	Overtime	\$84.70	hour	10.0	\$847.00
Equipment Operator, HazMat	Straight	\$68.82	hour	40.0	\$2,752.80
On-site 953 & Off Road Truck)	Overtime	\$90.00	hour	10.0	\$900.00
ield Supervisor	Straight	\$79.41	hour	30.0	\$2,382.30
Project Manager	Straight	\$105.88	hour	20.0	\$2,117.60
TOTAL PERSONNEL			in the time of the second		\$17,787.90
EQUIPMENT		Rate	Units	Est. Units	Est. Cost
Service Vehicle/Truck 4x2	33010102	\$39.19	day	5.0	\$195.95
Service Vehicle/Auto	33010108	\$50.27	day	2.0	\$100.54
4x4 Service Vehicle	CODMA	\$10.65	hour	40.0	\$426.00
CAT 953, 4 in 1 bucket	CODLG	\$69.63	hour	20.0	\$1,392.60
Truck, Water, Off-Highway - dust suppression	COFWK	\$32.23	hour	40.0	\$1,289.20
Truck, Off-Road, Rear Dump, 23T, 13-17CYD	COEIB	\$101.32	hour	20.0	\$2,026.40
Trash Pump - 3", 150 GPM	17 03 1003	\$46.95	dav	2.0	\$93.90
	. Roll 3. 15 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8	The State of the S			\$5,524.59
MATERIALS		Rate	Units	Est. Units	Est. Cost
PPE-Disposable Nitrile Sample Gloves	33010423	\$0.22	pair	5.0	\$1.10
PPE-Nitrile Work Gloves Gloves	No Echos	\$4.00	pair	5.0	\$20.00
PPE-Disposable Coveralls (Tyvek/Polycoated)	33010424	\$6.83	each	5.0	\$34.15
PPE-Disposable PVC Pull-over Booties	No Echos	\$8.00	pair	5.0	\$40.00
PPE-Repirator Cartridges - HEPA/Metals	33 01 0406	\$15.36	pair	5.0	\$76.80
Shower Towels, Disposable	No Echos	\$48.00	case	1.0	\$48.00
4-mil Poly Bags (75 count)	No Echos	\$50.00	roll	1.0	\$50.00
TOTAL MATERIALS					\$270.05
DIRECT COSTS & FIELD PURCHASES (no m	arkun)	Rate	Units	Est. Units	Est. Cost
Fuel (Service Trucks & Equipment), Estimated (\$4.25	gallons	200.0	\$850.00
Hotel	w wa.zurganon	\$70.00	day	20.0	\$1,400.00
Per Diem		\$28.00	day	25.0	\$7,400.00
TOTAL DIRECT COSTS & FIELD PURCHASE	\$	J \$28.00 J		25.0	
SUBCONTRACTORS					
Brandenburg-Rail		\$ 59,900.00	Quotes	1.0	\$59,900.00
Quantity - Steel Scrap, value based on AMM 5tl	day pricing	\$ (280.00)	Credit, Est. Tons		\$ (71.400.0

TOTAL ESTIMATED COST PER TASK

				Tas	sk 12
Estimated costs prepared and obtained by					
Bodine Environmental Services, Inc. in		Unit Rates from			
accordance with proposed scope of work, as		HWA-6303 and		_	
indicated by Client.		ECHOS		Group 1	Structures
PERSONNEL		Rate	Units	Est. Units	Est. Cost
Project Technician, HazMat	Straight	\$58.24	hour	80.0	\$4,659.20
Decon steel/structures and others)	Overtime	\$79.41	hour	20.0	\$1,588.20
Truck Driver, HazMat	Straight	\$63.52	hour	40.0	\$2,540.80
On-site Water Truck)	Overtime	\$84.70	hour	10.0	\$847.00
Equipment Operator, HazMat	Straight	\$68.82	hour	40.0	\$2,752.80
On-site 953 & Off Road Truck)	Overtime	\$90.00	hour	10.0	\$900.00
Field Supervisor	Straight	\$79.41	hour	30.0	\$2,382.30
Project Manager	Straight	\$105.88	hour	20.0	\$2,117.60
Health & Safety Officer	Straight	\$79.41	hour		\$0.00
TOTAL PERSONNEL					\$17,787.90
EQUIPMENT		Rate	Units	Est. Units	Est. Cost
Service Vehicle/Truck 4x2	33010102	\$39.19	day	5.0	\$195.95
Service Vehicle/Auto	33010108	\$50.27	day	5.0	\$251.35
4x4 Service Vehicle	CODMA	\$10.65	hour	40.0	\$426.00
Bobcat	COBBC	\$25.25	hour	20.0	\$505.00
CAT 953, 4 in 1 bucket	CODLG	\$69.63	hour	20.0	\$1,392.60
Truck, Water, Off-Highway - dust suppression	COFWK	\$32.23	hour	40.0	\$1,289.20
Truck, Off-Road, Rear Dump, 23T, 13-17CYD	COEIB	\$101.32	hour	20.0	\$2,026.40
		\$19.88			
Air Compressor, 375 CFM, 100 PSI	CALDA		hour	20.0	\$397.60
Air Hose, 1", 100feet	CALDA	\$0.97	hour	20.0	\$19.40
Dry Ice Blasting Machine	No Echos	\$3,000.00	month	0.25	\$750.00
Trash Pump - 3", 150 GPM TOTAL EQUIPMENT	17 03 1003	\$46.95	day	2.0	\$93.90 \$7,347.40
		T			
MATERIALS	- N F 1	Rate	Units	Est. Units	Est. Cost
PPE-Nitrile Work Gloves Gloves	No Echos	\$4.00	pair	10.0	\$40.00
PPE-Disposable Coveralls (Tyvek/Polycoated)	33010424	\$6.83	each	10.0	\$68.30
PPE-Disposable PVC Pull-over Booties	No Echos	\$8.00	pair	10.0	\$80.00
PPE-Repirator Cartridges - HEPA/Metals	33 01 0406	\$15.36	pair	10.0	\$153.60
Shower Towels, Disposable	No Echos	\$48.00	case	1.0	\$48.00
Dry Ice - Comsumption Rate of 1,000 lbs/day	No Echos	\$0.30	pound	500.0	\$150.00
4-mil Poly Bags (75 count)			roll		\$50.00
TOTAL MAJERIALS		ii tyrana eli			\$589.90
		Rate	Units	Est. Units	Est. Cost
Fuel (Service Trucks & Equipment), Estimated	@ \$4.25/gallon	\$4.25	gallons	250.0	\$1,062.50
		\$70.00	day	20.0	\$1,400.00
		\$28.00	day	25.0	\$700.00
DIRECT COSTS & FIELD PURCHASES (no m Fuel (Service Trucks & Equipment), Estimated Hotel Per Diem TOTAL DIRECT COSTS & FIELD PURCHASE	@ \$4.25/gallon	\$4.25 \$70.00 \$28.00	Units gallons day	Est. Units 250.0 20.0 25.0	
SUBCONTRACTORS Brandenburg-Group 1 Buildings		\$ 83,200.00	Quotes	1.0	\$83,200.00
		1	Estimate Tons	405	
Quantity Putrescible		1			405
			Estimate CYD	1490	1490
Quantity - Non Putrescible		+		1	
Quantity - Putrescible Quantity - Non Putrescible Quantity - Rail Ties Quantity - Steel Scrap, value based on AMM 5t	· · · · · · · · · · · · · · · · · · ·	\$ (280.00)	Estimate Tons Credit, Est. Tons	24	0 \$ (6,720.0

Bodine Environmental Services, Inc.

				T	ask 13
Estimated costs prepared and obtained by					
Bodine Environmental Services, Inc. in		Unit Rates from			
accordance with proposed scope of work, as		HWA-6303 and			
indicated by Client.		ECHOS			2 Structures
PERSONNEL	_	Rate	Units	Est. Units	Est. Cost
Project Technician, HazMat	Straight	\$58.24	hour	800.0	\$46,592.00
Decon steel/structures and others)	Overtime	\$79.41	hour	200.0	\$15,882.00
Truck Driver, HazMat	Straight	\$63.52	hour	200.0	\$12,704.00
On-site Water Truck)	Overtime	\$84.70	hour	50.0	\$4,235.00
Equipment Operator, HazMat	Straight	\$68.82	hour	200.0	\$13,764.00
On-site 953 & Off Road Truck)	Overtime	\$90.00	hour	50.0	\$4,500.00
Field Supervisor	Straight	\$79.41	hour	250.0	\$19,852.50
Project Manager	Straight	\$105.88	hour	20.0	\$2,117.60
TOTAL PERSONNEL	Small of an	全身的证 (2) 海川	THE STATE OF	Patronal Primit de	\$1,19,647.10
QUIPMENT		Rate	Units	Est. Units	Est. Cost
Service Vehicle/Truck 4x2	33010102	\$39.19	day	25.0	\$979.75
Service Vehicle/Auto	33010108	\$50.27	day	25.0	\$1,256.75
4x4 Service Vehicle	CODMA	\$10.65	hour	100.0	\$1,065.00
Bobcat	COBBC	\$25.25	hour	200.0	\$5,050.00
CAT 953, 4 in 1 bucket	CODLG	\$69.63	hour	100.0	\$6,963.00
Truck, Water, Off-Highway - dust suppression	COFWK	\$32.23	hour	200.0	\$6,446.00
Truck, Off-Road, Rear Dump, 23T, 13-17CYD	COEIB	\$101.32	hour	100.0	\$10,132.00
Air Compressor, 375 CFM, 100 PSI	CALDA	\$19.88	hour	200.0	\$3,976.00
Air Hose, 1", 100feet	CALDA	\$0.97	hour	200.0	\$194.00
Dry Ice Blasting Machine	No Echos	\$3,000.00	month	1.25	\$3,750.00
	17 03 1003	\$46.95	day	2.0	\$93.90
Hash Pump - 3 , 130 GPW					
TOTAL EQUIPMENT					
TOTAL EQUIPMENT				2 10 and 1	\$39,906.40
TOTAL EQUIPMENT MATERIALS			Units	Est. Units	\$39,906.40 Est. Cost
MATERIALS PPE-Nitrile Work Gloves Gloves		Rate		Est. Units 50.0	\$39,906.40 Est. Cost \$200.00
MATERIALS PPE-Nitrile Work Gloves Gloves PPE-Disposable Coveralls (Tyvek/Polycoated)	No Echos	Rate \$4.00	Units pair	Est. Units	\$39,906.40 Est. Cost
MATERIALS PPE-Nitrile Work Gloves Gloves PPE-Disposable Coveralls (Tyvek/Polycoated) PPE-Disposable PVC Pull-over Booties	No Echos 33010424	Rate \$4.00 \$6.83	Units pair each	Est. Units 50.0 50.0 50.0	\$39,906.40 Est. Cost \$200.00 \$341.50 \$400.00
MATERIALS PPE-Nitrile Work Gloves Gloves PPE-Disposable Coveralls (Tyvek/Polycoated) PPE-Disposable PVC Pull-over Booties PPE-Repirator Cartridges - HEPA/Metals	No Echos 33010424 No Echos	Rate \$4.00 \$6.83 \$8.00	Units pair each pair	Est. Units 50.0 50.0 50.0 50.0	### \$39,906.40 Est. Cost \$200.00 \$341.50
MATERIALS PPE-Nitrile Work Gloves Gloves PPE-Disposable Coveralls (Tyvek/Polycoated) PPE-Disposable PVC Pull-over Booties PPE-Repirator Cartridges - HEPA/Metals Shower Towels, Disposable	No Echos 33010424 No Echos 33 01 0406	Rate \$4.00 \$6.83 \$8.00 \$15.36	Units pair each pair pair	Est. Units 50.0 50.0 50.0	\$39,906.40 Est. Cost \$200.00 \$341.50 \$400.00 \$768.00 \$96.00
MATERIALS PPE-Nitrile Work Gloves Gloves PPE-Disposable Coveralls (Tyvek/Polycoated) PPE-Disposable PVC Pull-over Booties PPE-Repirator Cartridges - HEPA/Metals Shower Towels, Disposable Dry Ice - Comsumption Rate of 1,000 lbs/day 4-mil Poly Bags (75 count)	No Echos 33010424 No Echos 33 01 0406 No Echos No Echos No Echos	Rate \$4.00 \$6.83 \$8.00 \$15.36 \$48.00 \$0.30 \$50.00	Units pair each pair pair case	Est. Units 50.0 50.0 50.0 50.0 2.0	\$39,906.40 Est. Cost \$200.00 \$341.50 \$400.00 \$768.00
MATERIALS PPE-Nitrile Work Gloves Gloves PPE-Disposable Coveralls (Tyvek/Polycoated) PPE-Disposable PVC Pull-over Booties PPE-Repirator Cartridges - HEPA/Metals Shower Towels, Disposable Dry Ice - Comsumption Rate of 1,000 lbs/day 4-mil Poly Bags (75 count)	No Echos 33010424 No Echos 33 01 0406 No Echos No Echos	Rate \$4.00 \$6.83 \$8.00 \$15.36 \$48.00 \$0.30 \$50.00	Units pair each pair pair case pound	Est. Units 50.0 50.0 50.0 50.0 2.0 2500.0 1.0	\$39,906.40 Est. Cost \$200.00 \$341.50 \$400.00 \$768.00 \$96.00 \$750.00
MATERIALS PPE-Nitrile Work Gloves Gloves PPE-Disposable Coveralls (Tyvek/Polycoated) PPE-Disposable PVC Pull-over Booties PPE-Repirator Cartridges - HEPA/Metals Shower Towels, Disposable Dry Ice - Comsumption Rate of 1,000 lbs/day 4-mil Poly Bags (75 count)	No Echos 33010424 No Echos 33 01 0406 No Echos No Echos	Rate \$4.00 \$6.83 \$8.00 \$15.36 \$48.00 \$0.30 \$50.00	Units pair each pair pair case pound roll	Est. Units 50.0 50.0 50.0 50.0 2.0 2500.0 1.0	#\$39,906.40 Est. Cost \$200.00 \$341.50 \$400.00 \$768.00 \$96.00 \$750.00
MATERIALS PPE-Nitrile Work Gloves Gloves PPE-Disposable Coveralls (Tyvek/Polycoated) PPE-Disposable PVC Pull-over Booties PPE-Repirator Cartridges - HEPA/Metals Shower Towels, Disposable Dry Ice - Comsumption Rate of 1,000 lbs/day 4-mil Poly Bags (75 count) TOTAL MATERIALS DIRECT COSTS & FIELD PURCHASES (no m	No Echos 33010424 No Echos 33 01 0406 No Echos No Echos No Echos	Rate \$4.00 \$6.83 \$8.00 \$15.36 \$48.00 \$0.30 \$50.00	Units pair each pair pair case pound roll	Est. Units 50.0 50.0 50.0 50.0 2.0 2500.0 1.0	\$39,906.40 Est. Cost \$200.00 \$341.50 \$400.00 \$768.00 \$96.00 \$750.00 \$50.00
MATERIALS PPE-Nitrile Work Gloves Gloves PPE-Disposable Coveralls (Tyvek/Polycoated) PPE-Disposable PVC Pull-over Booties PPE-Repirator Cartridges - HEPA/Metals Shower Towels, Disposable Dry Ice - Comsumption Rate of 1,000 lbs/day 4-mil Poly Bags (75 count) TOTAL MATERIALS DIRECT COSTS & FIELD PURCHASES (no magnetic formula	No Echos 33010424 No Echos 33 01 0406 No Echos No Echos No Echos	Rate \$4.00 \$6.83 \$8.00 \$15.36 \$48.00 \$0.30 \$50.00	Units pair each pair pair case pound roll	Est. Units 50.0 50.0 50.0 50.0 2.0 2500.0 1.0 Est. Units	Est. Cost \$200.00 \$341.50 \$400.00 \$768.00 \$96.00 \$750.00 \$50.00 \$2,606.50 Est. Cost \$2,762.50
MATERIALS PPE-Nitrile Work Gloves Gloves PPE-Disposable Coveralls (Tyvek/Polycoated) PPE-Disposable PVC Pull-over Booties PPE-Repirator Cartridges - HEPA/Metals Shower Towels, Disposable Dry Ice - Comsumption Rate of 1,000 lbs/day 4-mil Poly Bags (75 count) TOTAL MATERIALS DIRECT COSTS & FIELD PURCHASES (no magnetic forms) Fuel (Service Trucks & Equipment), Estimated Hotel	No Echos 33010424 No Echos 33 01 0406 No Echos No Echos No Echos	Rate \$4.00 \$6.83 \$8.00 \$15.36 \$48.00 \$0.30 \$50.00	Units pair each pair pair case pound roll Units gallons	Est. Units 50.0 50.0 50.0 50.0 2.0 2500.0 1.0 Est. Units	\$39,906.40 Est. Cost \$200.00 \$341.50 \$400.00 \$768.00 \$96.00 \$750.00 \$50.00 \$2,605.50 Est. Cost \$2,762.50 \$9,800.00
MATERIALS PPE-Nitrile Work Gloves Gloves PPE-Disposable Coveralls (Tyvek/Polycoated) PPE-Disposable PVC Pull-over Booties PPE-Repirator Cartridges - HEPA/Metals Shower Towels, Disposable Dry Ice - Comsumption Rate of 1,000 lbs/day 4-mil Poly Bags (75 count) TOTAL MATERIALS DIRECT COSTS & FIELD PURCHASES (no medical form) Fuel (Service Trucks & Equipment), Estimated Hotel Per Diem	No Echos 33010424 No Echos 33 01 0406 No Echos No Echos No Echos No Echos No Echos \$\frac{1}{2}\$\$ \$\frac{1}{2}\$\$\$ \$\frac{1}{2}\$	Rate \$4.00 \$6.83 \$8.00 \$15.36 \$48.00 \$0.30 \$50.00 Rate \$4.25 \$70.00 \$28.00	Units pair each pair pair case pound roll Units gallons day	Est. Units 50.0 50.0 50.0 50.0 2.0 2500.0 1.0 Est. Units 650.0 140.0	Est. Cost \$200.00 \$341.50 \$400.00 \$768.00 \$96.00 \$750.00 \$2,605.50 Est. Cost \$2,762.50
MATERIALS PPE-Nitrile Work Gloves Gloves PPE-Disposable Coveralls (Tyvek/Polycoated) PPE-Disposable PVC Pull-over Booties PPE-Repirator Cartridges - HEPA/Metals Shower Towels, Disposable Dry Ice - Comsumption Rate of 1,000 lbs/day 4-mil Poly Bags (75 count) TOTAL MATERIALS DIRECT COSTS & FIELD PURCHASES (no m Fuel (Service Trucks & Equipment), Estimated Hotel Per Diem TOTAL DIRECT COSTS & FIELD PURCHASE	No Echos 33010424 No Echos 33 01 0406 No Echos No Echos No Echos No Echos No Echos \$\frac{1}{2}\$\$ \$\frac{1}{2}\$\$\$ \$\frac{1}{2}\$	Rate \$4.00 \$6.83 \$8.00 \$15.36 \$48.00 \$0.30 \$50.00 Rate \$4.25 \$70.00 \$28.00	Units pair each pair pair case pound roll Units gallons day day	Est. Units 50.0 50.0 50.0 50.0 2.0 2.500.0 1.0 Est. Units 650.0 140.0 175.0	#\$39,906.40 Est. Cost \$200.00 \$341.50 \$400.00 \$768.00 \$96.00 \$750.00 \$50.00 \$2,605.50 Est. Cost \$2,762.50 \$9,800.00 \$4,900.00
MATERIALS PPE-Nitrile Work Gloves Gloves PPE-Disposable Coveralls (Tyvek/Polycoated) PPE-Disposable PVC Pull-over Booties PPE-Repirator Cartridges - HEPA/Metals Shower Towels, Disposable Dry Ice - Comsumption Rate of 1,000 lbs/day 4-mil Poly Bags (75 count) TOTAL MATERIALS DIRECT COSTS & FIELD PURCHASES (no m Fuel (Service Trucks & Equipment), Estimated Hotel Per Diem TOTAL DIRECT COSTS & FIELD PURCHASE SUBCONTRACTORS	No Echos 33010424 No Echos 33 01 0406 No Echos No Echos No Echos No Echos No Echos \$\frac{1}{2}\$\$ \$\frac{1}{2}\$\$\$ \$\frac{1}{2}\$	Rate \$4.00 \$6.83 \$8.00 \$15.36 \$48.00 \$0.30 \$50.00 Rate \$4.25 \$70.00 \$28.00	Units pair each pair pair case pound roll Units gallons day day	Est. Units 50.0 50.0 50.0 50.0 2.0 2500.0 1.0 Est. Units 650.0 140.0 175.0	#\$39,906.40 Est. Cost \$200.00 \$341.50 \$400.00 \$768.00 \$96.00 \$750.00 \$50.00 \$2,605.50 Est. Cost \$2,762.50 \$9,800.00 \$4,900.00 \$4,900.00
MATERIALS PPE-Nitrile Work Gloves Gloves PPE-Disposable Coveralls (Tyvek/Polycoated) PPE-Disposable PVC Pull-over Booties PPE-Repirator Cartridges - HEPA/Metals Shower Towels, Disposable Dry Ice - Comsumption Rate of 1,000 lbs/day 4-mil Poly Bags (75 count) TOTAL MATERIALS DIRECT COSTS & FIELD PURCHASES (no magnetic form of the county o	No Echos 33010424 No Echos 33 01 0406 No Echos No Echos No Echos No Echos No Echos \$\frac{1}{2}\$\$ \$\frac{1}{2}\$\$\$ \$\frac{1}{2}\$	Rate \$4.00 \$6.83 \$8.00 \$15.36 \$48.00 \$0.30 \$50.00 Rate \$4.25 \$70.00 \$28.00	Units pair each pair pair case pound roll Units gallons day day Quotes	Est. Units 50.0 50.0 50.0 50.0 2.0 2500.0 1.0 Est. Units 650.0 140.0 175.0	#\$39,906.40 Est. Cost \$200.00 \$341.50 \$400.00 \$768.00 \$96.00 \$750.00 \$50.00 \$2,605.50 Est. Cost \$2,762.50 \$9,800.00 \$4,900.00 \$4,900.00 \$279,000.00
MATERIALS PPE-Nitrile Work Gloves Gloves PPE-Disposable Coveralls (Tyvek/Polycoated) PPE-Disposable PVC Pull-over Booties PPE-Repirator Cartridges - HEPA/Metals Shower Towels, Disposable Dry Ice - Comsumption Rate of 1,000 lbs/day 4-mil Poly Bags (75 count) TOTAL MATERIALS DIRECT COSTS & FIELD PURCHASES (no magnetic form of the county o	No Echos 33010424 No Echos 33 01 0406 No Echos No Echos No Echos No Echos No Echos \$\frac{1}{2}\$\$ \$\frac{1}{2}\$\$\$ \$\frac{1}{2}\$	Rate \$4.00 \$6.83 \$8.00 \$15.36 \$48.00 \$0.30 \$50.00 Rate \$4.25 \$70.00 \$28.00	Units pair each pair pair case pound roll Units gallons day day Quotes Estimate Tons	Est. Units 50.0 50.0 50.0 50.0 2.0 2500.0 1.0 Est. Units 650.0 140.0 175.0	\$39,906.40 Est. Cost \$200.00 \$341.50 \$400.00 \$768.00 \$768.00 \$750.00 \$50.00 \$2,605.50 Est. Cost \$2,762.50 \$9,800.00 \$4,900.00 \$4,900.00 \$17,462.50
MATERIALS PPE-Nitrile Work Gloves Gloves PPE-Disposable Coveralls (Tyvek/Polycoated) PPE-Disposable PVC Pull-over Booties PPE-Repirator Cartridges - HEPA/Metals Shower Towels, Disposable Dry Ice - Comsumption Rate of 1,000 lbs/day 4-mil Poly Bags (75 count) TOTAL MATERIALS DIRECT COSTS & FIELD PURCHASES (no magnetic form of the county o	No Echos 33010424 No Echos 33 01 0406 No Echos No Echos No Echos No Echos No Echos \$\frac{1}{2}\$\$ \$\frac{1}{2}\$\$\$ \$\frac{1}{2}\$	Rate \$4.00 \$6.83 \$8.00 \$15.36 \$48.00 \$0.30 \$50.00 Rate \$4.25 \$70.00 \$28.00	Units pair each pair pair case pound roll Units gallons day day Quotes	Est. Units 50.0 50.0 50.0 50.0 2.0 2500.0 1.0 Est. Units 650.0 140.0 175.0	#\$39,906.40 Est. Cost \$200.00 \$341.50 \$400.00 \$768.00 \$96.00 \$750.00 \$50.00 \$2,605.50 Est. Cost \$2,762.50 \$9,800.00 \$4,900.00 \$4,900.00 \$279,000.00

TOTAL ESTIMATED COST PER TASK

Bodine environmental services, inc.

				Та	sk 14
Estimated costs prepared and obtained by Bodine Environmental Services, Inc. in accordance with proposed scope of work, as indicated by Client.		Unit Rates from HWA-6303 and ECHOS			Structures
PERSONNEL		Rate	Units	Est. Units	Est. Cost
Project Technician, HazMat	Straight	\$58.24	hour	160.0	\$9,318.40
Decon steel/structures and others)	Overtime	\$79.41	hour	40.0	\$3,176.40
Fruck Driver, HazMat	Straight	\$63.52	hour	40.0	\$2,540.80
On-site Water Truck)	Overtime	\$84.70	hour	10.0	\$847.00
Equipment Operator, HazMat	Straight	\$68.82	hour	40.0	\$2,752.80
On-site 953 & Off Road Truck)	Overtime	\$90.00	hour	10.0	\$900.00
Field Supervisor	Straight	\$79.41_	hour	50.0	\$3,970.50
Project Manager	Straight	\$105.88	hour	10.0	\$1,058.80
TOTAL PERSONNEL					\$24,564.70
EQUIPMENT		Rate	Units	Est. Units	Est. Cost
Service Vehicle/Truck 4x2	33010102	\$39.19	day	5.0	\$195.95
Service Vehicle/Auto	33010108	\$50.27	day	5.0	\$251.35
3obcat	COBBC	\$25.25	hour	40.0	\$1,010.00
CAT 953, 4 in 1 bucket	CODLG	\$69.63	hour	20.0	\$1,392.60
Truck, Water, Off-Highway - dust suppression	COFWK	\$32.23	hour	40.0	\$1,289.20
Truck, Off-Road, Rear Dump, 23T, 13-17CYD	COEIB	\$101.32	hour	20.0	\$2,026.40
Air Compressor, 375 CFM, 100 PSI	CALDA	\$19.88	hour	40.0	\$795.20
Air Hose, 1", 100feet	CALDA	\$0.97	hour	40.0	\$38.80
Dry Ice Blasting Machine	No Echos	\$3,000.00	month	0.25	\$750.00
Trash Pump - 3", 150 GPM	17 03 1003	\$46.95	day	2.0	\$93.90
TOTAL EQUIPMENT					\$7,843.40
MATERIALS		Rate	Units	Est. Units	Est. Cost
PPE-Nitrile Work Gloves Gloves	No Echos	\$4.00 .	pair	10.0	\$40.00
PPE-Disposable Coveralls (Tyvek/Polycoated)	33010424	\$6.83	each	10.0	\$68.30
PPE-Disposable PVC Pull-over Booties	No Echos	\$8.00	pair	10.0	\$80.00
PPE-Repirator Cartridges - HEPA/Metals	33 01 0406	\$15.36	pair	10.0	\$153.60
Shower Towels, Disposable	No Echos	\$48.00	case	1.0	\$48.00
Dry Ice - Comsumption Rate of 1,000 lbs/day	No Echos	\$0.30	pound	500.0	\$150.00
4-mil Poly Bags (75 count)	No Echos	\$50.00	roll	1.0	\$50.00
TOTAL MATERIALS					\$589.90
DIRECT COSTS & FIELD PURCHASES (no markup)		Rate	Units	Est. Units	Est. Cost
Fuel (Service Trucks & Equipment), Estimated	@ \$4.25/gallon	\$4.25	gallons	250.0	\$1,062.50
Hotel		\$70.00	day	28.0	\$1,960.00
Per Diem		\$28.00	day	35.0	\$980.00
TOTAL DIRECT COSTS & FIELD PÜRCHAS	ES				\$4,002.50
SUBCONTRACTORS					
Brandenburg-Group 3 Buildings		\$ 43,000.00	Quotes	1.0	\$43,000.00
Quantity - Putrescible		1	Estimate Tons	41	41
Quantity - Non Putrescible		1	Estimate CYD	1189	1189
Quantity - Rail Ties		1	Estimate Tons	1	0
Quantity - Steel Scrap, value based on AMM 5	المراجعة والمراجعة والمراجعة والمراجعة	\$ (280.00)	Credit, Est. Tons	46	\$ (12,880.0

TOTAL ESTIMATED COST PER TASK \$81,230.50

				T	ask 15
Estimated costs prepared and obtained by		Unit Rates from			
Bodine Environmental Services, Inc. in		HWA-6303 and			
accordance with proposed scope of work, as		ECHOS		Groun	4 Structures
indicated by Client. PERSONNEL		Rate	Units	Est. Units	Est. Cost
Project Technician, HazMat	Straight	\$58.24	hour	1280.0	\$74,547.20
•	Overtime	\$79.41	hour	320.0	\$25,411.20
Decon steel/structures and others) Truck Driver, HazMat	Straight	\$63.52	hour	320.0	\$20,326.40
•	Overtime	\$84.70	hour	80.0	\$6,776.00
On-site Water Truck) Equipment Operator, HazMat	Straight	\$68.82	hour	320.0	\$22,022.40
equipment Operator, Haziviat On-sile 953 & Off Road Truck)	Overtime	\$90.00	hour	80.0	\$7,200.00
Field Supervisor	Straight	\$79.41		300.0	\$23,823.00
	Straight	\$105.88	hour	100.0	\$10,588.00
Project Manager TOTAL PERSONNEL			hour		
ONNE CEROCIMICE CONTRACTOR SALE	and the state of t	eff (2) see see (2)		erformask©r Zarustā	
EQUIPMENT		Rate	Units	Est. Units	Est. Cost
Service Vehicle/Truck 4x2	33010102	\$39.19	day	40.0	\$1,567.60
Service Vehicle/Auto	33010108	\$50.27	day	20.0	\$1,005.40
4x4 Service Vehicle	CODMA	\$10.65	hour	80.0	\$852.00
3obcat	COBBC	\$25.25	hour	320.0	\$8,080.00
CAT 953, 4 in 1 bucket	CODLG	\$69.63	hour	160.0	\$11,140.80
Truck, Water, Off-Highway - dust suppression	COFWK	\$32.23	hour	320.0	\$10,313.60
Truck, Off-Road, Rear Dump, 23T, 13-17CYD	COEIB	\$101.32	hour	160.0	\$16,211.20
Air Compressor, 375 CFM, 100 PSI	CALDA	\$19.88	hour	320.0	\$6,361.60
Air Hose, 1", 100feet	CALDA	\$0.97	hour	320.0	\$310.40
Dry Ice Blasting Machine	No Echos	\$3,000.00	month	2.00	\$6,000.00
Trash Pump - 3", 150 GPM	17 03 1003	\$46.95	day	2.0	\$93.90
TOTAL EQUIPMENT				and the	\$61,936.50
MATERIALS		Rate	Units	Est. Units	Est. Cost
PPE-Nitrile Work Gloves Gloves	No Echos	\$4.00	pair	80.0	\$320.00
PPE-Disposable Coveralls (Tyvek/Polycoated)	33010424	\$6.83	each	80.0	\$546.40
PPE-Disposable PVC Pull-over Booties	No Echos	\$8.00	pair	80.0	\$640.00
PPE-Repirator Cartridges - HEPA/Metals	33 01 0406	\$15.36	pair	80.0	\$1,228.80
Shower Towels, Disposable	No Echos	\$48.00	case	3.0	\$144.00
Dry Ice - Comsumption Rate of 1,000 lbs/day	No Echos	\$0.30	pound	4000.0	\$1,200.00
4-mil Poly Bags (75 count)	No Echos	\$50.00	roll	1.0	\$50.00
TOTAL MATERIALS				[10] [10] [10] [10] [10] [10] [10] [10]	\$4,129.20
DIRECT COSTS & FIELD PURCHASES (no m	narkup)	Rate	Units	Est. Units	Est. Cost
Fuel (Service Trucks & Equipment), Estimated		\$4.25	gallons	650.0	\$2,762.50
Hotel	<u> </u>	\$70.00	day	224.0	\$15,680.00
Per Diem	·····	\$28.00	day	280.0	\$7,840.00
TOTAL DIRECT COSTS & FIELD PURCHASE	S i giring	, <u>, , , , , , , , , , , , , , , , , , </u>	au y		\$26,282.50
	84	7 -Kara . 1 1279	. 150.00	ALL . M. P.	Server destruit van Helde Belder
SUBCONTRACTORS		1		T	
Brandenburg-Group 4 Buildings		\$ 417,000.00	Quotes	1.0	\$417,000.00
Quantity - Putrescible		1 1	Estimate Tons	519	519
		1 1	Estimate CYD	4415	4415
Quantity - Non Putrescible					
		\$ (280.00)	Estimate Tons Credit, Est. Tons	1584	0 \$ (443,520.0

Bodine Environmental Services, inc.

				Ta	sk 16
				Perfori	m Project
Estimated costs prepared and obtained by				1	ion On-Site
Bodine Environmental Services, Inc. in					and Closeou
accordance with proposed scope of work, as		Unit Rates from	•	•	
indicated by Client.		HWA-6303 and		1	s Identified by
·		ECHOS			ΞPA
PERSONNEL		Rate	Units	Est. Units	Est. Cost
Project Technician, HazMat	Straight	\$58.24	hour	80.0	\$4,659.20
(Decon steel/structures and others)	Overtime	\$79.41	hour	20.0	\$1,588.20
Equipment Operator, HazMat	Straight	\$68.82	hour	40.0	\$2,752.80
(On-site 953 & Off Road Truck)	Overtime	\$90.00	hour	10.0	\$900.00
Field Supervisor	Straight	\$79.41	hour	20.0	\$1,588.20
Project Manager	Straight	\$105.88	hour	50.0	\$5,294.00
TOTAL PERSONNEL					\$16,782.40
EQUIPMENT		Rate	Units	Est. Units	Est. Cost
Service Vehicle/Truck 4x2	33010102	\$39.19	day	5.0	\$195.95
4x4 Service Vehicle	CODMA	\$10.65	hour	50.0	\$532.50
Air Compressor, 375 CFM, 100 PSI	CALDA	\$19.88	hour	40.0	\$795.20
Air Hose, 1", 100feet	CALDA	\$0.97	hour	40.0	\$38.80
Dry Ice Blasting Machine	No Echos	\$3,000.00	month	0.25	\$750.00
Trash Pump - 3", 150 GPM	17 03 1003	\$46.95	day	5.0	\$234.75
TOTAL EQUIPMENT		The state of the s			× \$2,547.20 ×
MATERIALS		Rate	Units	Est. Units	Est. Cost
PPE-Nitrile Work Gloves Gloves	No Echos	\$4.00	pair	2.0	\$8.00
PPE-Disposable Coveralls (Tyvek/Polycoated)	33010424	\$6.83	each	2.0	\$13.66
PPE-Disposable PVC Pull-over Booties	No Echos	\$8.00	pair	2.0	\$16.00
PPE-Repirator Cartridges - HEPA/Metals	33 01 0406	\$15.36	pair	2.0	\$30.72
Shower Towels, Disposable	No Echos	\$48.00	case	0.5	\$24.00
Dry Ice - Comsumption Rate of 1,000 lbs/day	No Echos	\$0.30	pound	5000.0	\$1,500.00
4-mil Poly Bags (75 count)	No Echos	\$50.00	roll	1.0	\$50.00
TOTAL MATERIALS				A STATE OF THE STA	\$1,642.38
DIRECT COSTS & FIELD PURCHASES (no markup)		Rate	Units	Est. Units	Est. Cost
Fuel (Service Trucks & Equipment), Estimated	@ \$4.25/gallon	\$4.25	galions	60.0	\$255.00
			day	12.0	\$840.00
Hotel		\$70.00	day	12.0	Ψ040.00
		\$70.00 \$28.00	day day	15.0	\$420.00

TOTAL ESTIMATED COST PER TASK

IEPA Cost Proposal - Structure Removal Project Eagle Zinc NPL Site, Hillsboro, Illinois Bodine Environmental Services, Inc. Version 1.0, May 19, 2008

				Tas	sk 17		
Estimated costs prepared and obtained by				Demobilization of			
Bodine Environmental Services, Inc. in		Unit Rates from		1			
accordance with proposed scope of work, as		HWA-6303 and		Personnel, Equipmer			
indicated by Client.		ECHOS		and Materials			
PERSONNEL		Rate	Units	Est. Units	Est. Cost		
Project Technician, HazMat	Straight	\$58.24	hour	40.0	\$2,329.60		
(Decon steel/structures and others)	Overtime	\$79.41	hour	10.0	\$794.10		
Truck Driver, HazMat	Straight	\$63.52	hour	32.0	\$2,032.64		
(On-site Water Truck)	Overtime	\$84.70	hour	6.0	\$508.20		
Field Supervisor	Straight	\$79.41	hour	50.0	\$3,970.50		
Project Manager	Straight	\$105.88	hour	10.0	\$1,058.80		
TOTAL PERSONNEL			many services as a service of the services of		\$10,693.84		
EQUIPMENT		Rate	Units	Est. Units	Est. Cost		
Service Vehicle/Truck 4x2	33010102	\$39.19	day	5.0	\$195.95		
Service Vehicle/Auto	33010108	\$50.27	day	5.0	\$251.35		
4x4 Service Vehicle	CODMA	\$10.65	hour	40.0	\$426.00		
2-Axle, Truck 21,700 GVW, 4x2 (Cube Van)	33010109	\$135.50	day	2.0	\$271.00		
Semi Tractor -3-axle, 46,000 GVW	XTRHC	\$43.95	hour	20.0	\$879.00		
Lowboy or Roll-off Trailer	XXPLD	\$21.28	hour	20.0	\$425.60		
TOTAL EQUIPMENT		Rate	Units	Est. Units	Est. Cost		
PPE-Nitrile Work Gloves Gloves	No Echos	\$4.00	pair	2.0	\$8.00		
PPE-Disposable Coveralls (Tyvek/Polycoated)	33010424	\$6.83	each	2.0	\$13.66		
PPE-Disposable PVC Pull-over Booties	No Echos	\$8.00	pair	2.0	\$16.00		
PPE-Repirator Cartridges - HEPA/Metals	33 01 0406	\$15.36	pair	2.0	\$30.72		
Shower Towels, Disposable	No Echos	\$48.00	case	0.5	\$24.00		
4-mil Poly Bags (75 count)	No Echos	\$50.00	roll	1.0	\$50.00		
TOTAL MATERIALS							
DIRECT COSTS & FIELD PURCHASES (no m		Rate	Units	Est. Units	Est. Cost		
Fuel (Service Trucks & Equipment), Estimated		\$4.25	gallons	200.0	\$850.00		
TOTAL DIRECT COSTS & FIELD PURCHASE SUBCONTRACTORS			Marin Marin Control		\$850.00		
Electrical Sub Temp. Power Job Trailer		\$ 2,200.00	Quotes	T 0.1 T	\$220.00		
Brandenburg-Demobilization		\$ 13,000.00	Quotes	1.0	\$13,000.00		
Quantity - Putrescible		1	Estimate Tons	1.0	0		
Quantity - Non Putrescible		1	Estimate CYD	 	0		
acadinary intolling discoopie				 			
Quantity - Rail Ties		1 1 1					
Quantity - Rail Ties Quantity - Steel Scrap, value based on AMM 5t	h day pricing	\$ (280.00)	Estimate Tons Credit, Est. Tons	 	\$ -		

IEPA Cost Proposal - Structure Removal Project Eagle Zinc NPL Site, Hillsboro, Illinois Bodine Environmental Services, Inc. Version 1.0, May 19, 2008

				T	ask 18
Estimated costs prepared and obtained by Bodine Environmental Services, Inc. in accordance with proposed scope of work, as indicated by Client.	Unit Rates from HWA-6303 and ECHOS			Submiss	ration and ion of Project etion Report
PERSONNEL		Rate	Units	Est. Units	Est. Cost
Clerical	Straight	\$37.06	hour	12.0	\$444.72
	Overtime	\$52.95	hour		\$0.00
Chemist	Straight	\$68.82	hour	16.0	\$1,101.12
	Overtime	\$90.00	hour		\$0.00
Field Supervisor	Straight	\$79.41	hour	40.0	\$3,176.40
Project Manager	Straight	\$105.88	hour	40.0	\$4,235.20
Health & Safety Officer	Straight	\$79.41	hour	16.0	\$1,270.56
TOTAL PERSONNEL		5-1	gar of the grade of the state o	18 THE R. L. L. S.	\$10.228.00

EQUIPMENT		Rate	Units	Est. Units	Est. Cost
Service Vehicle/Truck 4x2	33010102	\$39.19	day	4.0	\$156.76
TOTAL EQUIPMENT	LAT LA		n en		\$156.76

DIRECT COSTS & FIELD PURCHASES (no markup)	Rate	Units	Est. Units	Est. Cost
Fuel (Service Trucks & Equipment), Estimated @ \$4.25/gallon	\$4.25	gallons	25.0	\$106.25
Shipping Charges for Samples/Documents	\$35.00	each	8.0	\$280.00
TOTAL DIRECT COSTS & FIELD PURCHASES			Gu Mise	\$386.25

TOTAL ESTIMATED COST PER TASK

\$10,771.01

				Tas	sk 01	Tas	ik 02	Ta	sk 03	Tas	k 04
Estimated costs prepared and obtained by Bodine Environmental Services, Inc. in accordance with proposed scope of work, as indicated by Client		Unit Rates from HWA-6303 and ECHOS		Sampling F Quality A Project Plai	Submit Field Plan (FSP) & Assurance n (QAPP) for Approval	Project Imp Plan (PIP) Safety Pla	and Submit blementation & Health and in (HSP) for Approval	NPDES C Storm Wa Prevention Plans/Spe	and Submit Construction Iter Pollution Plan & Other cifications for Approval	Asbestos In Notific Renovatior to IEP	ation of
ERSONNEL		Rate	Units	Est. Units	Est. Cost	Est. Units	Est. Cost	Est. Units	Est. Cost	Est. Units	Est. Cost
erical	Straight	\$37.06	hour	100	\$370 60	10 0	\$370.60	10 0	\$370 60	40	\$148 24
	Overtime	\$52 95	hour		\$0.00 \$0.00	L	\$0.00 \$0.00		\$0.00 \$0.00		\$0 00 \$0 00
oject Technician, HazMat econ steel/structures and others)	Straight Overtime	\$58 24 \$79 41	hour		\$0.00		\$0.00		\$0.00		\$0.00
uck Driver, HazMat	Straight	\$63.52	hour		\$0.00		\$0.00		\$0.00		\$0.00
n-site Water Truck)	Overtime	\$84 70	hour		\$0.00 \$0.00		\$0.00 \$0.00		\$0.00 \$0.00		\$0.00 \$0.00
quipment Operator, HazMat n-site 953 & Off Road Truck)	Straight Overtime	\$68.82 \$90.00	hour	-	\$0.00		\$0.00		\$0.00		\$0.00
nemíst	Straight	\$68.82	hour	30 0	\$2,064.60		\$0.00		\$0.00		\$0.00
	Overtime	\$90 00	hour	40.0	\$0.00	20.0	\$0.00	20.0	\$0.00	40.0	\$0.00
eld Supervisor oject Manager	Straight Straight	\$79 41 \$105 88	hour	10 0 40 0	\$794 10 \$4,235 20	20.0 30.0	\$1,588.20 \$3,176.40	20.0	\$1,588.20 \$2,117.60	40.0 40.0	\$3,176.4 \$4,235.2
ealth & Safety Officer	Straight	\$79 41	hour		\$0 00	20 0	\$1,588.20		\$0.00	4.0	\$317.64
OTAL PERSONNEL :	7 - X. (a)	. 80	918 . 1. 901	(· · ·) 484	\$7,464.50		\$6,723.40	110	\$4,076.40	31. METS	\$7,877.4
QUIPMENT		Rate	Units	Est. Units	Est. Cost	Est. Units	Est. Cost	Est. Units	Est. Cost	Est. Units	Est. Co:
ervice Vehicle/Truck 4x2	33010102	\$39 19	day	2.0	\$78 38	10	\$39 19	10	\$39 19	3.0	\$117.5
ervice Vehicle/Auto	33010108	\$50 27	day	<u> </u>	\$0.00		\$0.00 \$0.00		\$0 00 \$0 00		\$0.00 \$0.00
Axle, Truck 21,700 GVW, 4x2 (Cube Van)	CODMA 33010109	\$10 65 \$135 50	hour	 	\$0.00 \$0.00		\$0.00	 	\$0.00	 	\$0.00
emporary Office, 32' x 8'	99140102	\$263 22	month		\$0.00		\$0 00		\$0.00		\$0.00
emporary Storage Trailer, 16' x 8'	99140201	\$86 10	month		\$0.00		\$0.00		\$0.00		\$0.00
1,000-gallon Steel Holding Tank PS, Trimble GH (submeter accuracy)	19040407 No Echos	\$1,297.00 \$250.00	month week		\$0 00 \$0 00		\$0.00 \$0.00		\$0 00 \$0 00	 	\$0.00 \$0.00
obcat	COBBC	\$25 25	hour		\$0.00		\$0.00		\$0.00		\$0.00
80 Case Extended Hoe, 4x4	CODEF	\$34.70	hour		\$0.00		\$0.00		\$0.00		\$0.00
AT 953, 4 in 1 bucket	CODLG	\$69.63	hour		\$0.00		\$0.00		\$0.00	<u> </u>	\$0.00
ruck, Water, Off-Highway - dust suppression ruck, Off-Road, Rear Dump, 23T, 13-17CYD		\$32.23 \$101.32	hour	+	\$0.00 \$0.00		\$0.00 \$0.00		\$0.00 \$0.00	 	\$0 00 \$0 00
emi Tractor -3-axle, 46,000 GVW	XTRHC	\$43.95	hour		\$0.00		\$0.00		\$0.00		\$0.00
owboy or Roll-off Trailer	XXPLD	\$21.28	hour		\$0.00		\$0.00		\$0.00		\$0.00
ir Compressor, 375 CFM, 100 PSt	CALDA	\$19.88 \$0.97	hour		\$0.00 \$0.00	 	\$0 00 \$0 00	 	\$0 00 \$0 00	 	\$0.00 \$0.00
r Hose, 1", 100feet ry ice Blasting Machine	No Echos	\$3,000 00	hour month		\$0.00	+	\$0.00	 	\$0.00		\$0.00
ersonal Low Flow Sampling Pump	33 02 0314	\$212.89	month		\$0.00		\$0.00		\$0.00		\$0.00
mbient Air Monitor	33 02 0315	\$767.87	month	1	\$0.00		\$0.00	ļ	\$0.00		\$0.00
rash Pump - 3", 150 GPM OTAL EQUIPMENT	17 03 1003	\$46.95	day	<u> </u>	\$0.00 \$78.38	i de er	\$0 00 \$39,19		\$0 00 \$39,19		\$0 00 \$117.5
	. 494 1 1 1 1			8.5	. •	N. 6	.,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,		······································		
ATERIALS	33010423	Rate \$0.22	Units	Est. Units	Est. Cost	Est. Units	Est. Cost \$0 00	Est. Units	Est. Cost	Est. Units	Est. Co
PE-Disposable Nitrile Sample Gloves PE-Nitrile Work Gloves Gloves	No Echos	\$4.00	pair		\$0.00 \$0.00	+	\$0.00	 	\$0.00		\$0.00 \$0.00
PE-Disposable Coveralls (Tyvek/Polycoated		\$6.83	each		\$0.00		\$0.00		\$0.00		\$0.00
PE-Disposable PVC Pull-over Booties	No Echos	\$8 00	pair		\$0.00		\$0.00		\$0.00		\$0.00
PE-Repirator Cartridges - HEPA/Metals	33 01 0406 No Echos	\$15.36 \$48.00	case	-	\$0 00 \$0 00	 	\$0.00 \$0.00		\$0.00 \$0.00		\$0 00 \$0 00
hower Towels, Disposable ry Ice - Comsumption Rate of 1,000 lbs/day	No Echos	\$0.30	pound	 	\$0.00		\$0.00	 	\$0.00		\$0.00
rum Labels/DOT Markers	No Echos	\$1.50	each		\$0.00		\$0.00		\$0.00		\$0 00
lanifests	No Echos No Echos	\$7.50 \$50.00	each	ļ	\$0.00		\$0.00 \$0.00	-	\$0 00 \$0 00	ļ	\$0.00
mil Poly Bags (75 count) mil Poly Sheeting (20' by 100')	No Echos	\$65.00	roll	-	\$0.00 \$0.00	 	\$0.00	ļ	\$0.00	 	\$0.00 \$0.00
OTAL MATERIALS			200 m	4	\$0.00	1	, \$0.DD	******			
IRECT COSTS & FIELD PURCHASES (no	markup)	Rate	Units	Est. Units	Est. Cost	Est. Units	Est. Cost	Est. Units	Est. Cost	Est. Units	Est. Co
uel (Service Trucks & Equipment), Estimates	10 64 00 (\$4.25	gallons	8.0	\$34 00	4 0	\$17.00	4 0	\$17.00	15.0	\$63.75
tilities (Electric, Phone, Internet)		\$250.00	Est /Month		\$0.00		\$0.00		\$0.00		\$0.00
otel er Diem		\$70.00 \$28.00	day day	 	\$0.00		\$0.00 \$0.00		\$0.00 \$0.00	ļ	\$0.00 \$0.00
er blem Prinking Water, Job Trailer		\$40.00	Est /Month		\$0.00		\$0.00		\$0.00	 	\$0.00
ederal, State, County and Municipal Fees		\$1 00	Units		\$0.00		\$0.00		\$0.00	150.0	\$150 0
nalytical - Asbestos Sample Analysis		\$10 00 \$800 00	each		\$0.00		\$0.00		\$0.00	100.0	\$1,000
nalytical - Waste Profile Sample Analysis nalytical - Perimeter Air Sample Analysis		\$75 00	each each	+	\$0.00 \$0.00	 	\$0.00 \$0.00		\$0 00 \$0 00	 	\$0.00 \$0.00
nalytical - Health & Safety Air Sample Analys		\$75.00	each		\$0.00		\$0.00		\$0.00		\$0.00
nalytical - Surface & Storm Water Sample A	nalysis	\$125 00 \$50 00	each		\$0.00	+	\$0.00		\$0.00	2.0	\$0 00
ampling Supplies (Sting, Ice, etc.) hipping Charges for Samples/Documents		\$50 00 \$35 00	each each	3 0	\$0.00 \$105.00	30	\$0 00 \$105 00	3,0	\$0.00 \$105.00	2 0	\$100.0 \$35.00
Office Supplies/Copies by vendor		\$200.00	Month		\$0.00	†- <u>-</u> -	\$0.00	 	\$0.00	1	\$0.00
sbestos Waste Disposal OTAL DIRECT COSTS & FIELD PURCHAS	SES -	\$58 00	CYD		\$0.00		\$0.00		\$0.00		\$0.00
O WE BUSEL COSTO & LIETO LABOUR.	JE9 : 3" ,	ms	Make Make	Z	\$139.00		\$122.00	7. 46	\$122.00	Jan 1 J. J. C. S	\$1,348.
SUBCONTRACTORS		f 0.000 = 5 1					1 40.00	T	T		 -
	· · · · · · · · · · · · · · · · · · ·	\$ 2,000 00 \$ 150 00	Quotes Est /Month		\$0.00		\$0.00 \$0.00	 	\$0.00 \$0.00		\$0.00 \$0.00
Private Utility Locating Company		\$ 2,200.00	Quotes		\$0.00		\$0.00	_	\$0.00	 	\$0.00
Private Utility Locating Company Portable Sanitation Services Electrical Sub - Temp Power Job Trailer			Week		\$0.00		\$0.00		\$0.00		\$0.00
rivate Utility Locating Company Portable Sanitation Services Tectrical Sub - Temp Power Job Trailer Site Security Firm, Non-Working Periods, \$13	/hr, 128 hr/wk	\$ 1,664 00	Quotes	_	\$0 00 \$0 00	-	\$0.00 \$0.00	<u> </u>	\$0.00		\$0.00
rivate Utility Locating Company ortable Sanitation Services lectrical Sub - Temp Power Job Trailer itle Security Firm, Non-Working Periods, \$13 rrandenburg-Mobilization	J/hr, 128 hr/wk	\$ 13,000.00			⊅ U UU	+	\$0.00	 	\$0.00 \$0.00	 	\$0.00 \$0.00
Private Utility Locating Company Portable Sanitation Services Electrical Sub - Temp Power Job Trailer	3/hr, 128 hr/wk		Quotes Quotes	 	\$0.00						
rivate Utility Locating Company ortable Sanitation Services lectincal Sub - Temp Power Job Trailer lite Security Firm, Non-Working Periods, \$13 trandenburg-Mobilization randenburg-Group 1 Buildings trandenburg-Group 2 Buildings randenburg-Group 3 Buildings	l/br, 128 hr/wk	\$ 13,000.00 \$ 83,200.00 \$ 279,000.00 \$ 43,000.00	Quotes Quotes Quotes		\$0.00		\$0.00		\$0.00	†	\$0.00
Private Utility Locating Company fortable Sanitation Services leichtical Sub - Temp Power Job Trailer site Security Firm, Non-Working Periods, \$13 forandenburg-Mobilization frandenburg-Group 1 Buildings frandenburg-Group 2 Buildings frandenburg-Group 3 Buildings frandenburg-Group 3 Buildings frandenburg-Group 4 Buildings frandenburg-Group 4 Buildings	Jhr, 128 hr/wk	\$ 13,000.00 \$ 83,200.00 \$ 279,000.00 \$ 43,000.00 \$ 417,000.00	Quotes Quotes Quotes Quotes		\$0 00 \$0 00		\$0.00 \$0.00		\$0 00 \$0 00		\$0 00
Private Utility Locating Company Fortable Sanitation Services Flectical Sub - Temp Power Job Trailer Flection Strandenburg-Mobilization Frandenburg-Group 1 Buildings Frandenburg-Group 3 Buildings Frandenburg-Group 3 Buildings Frandenburg-Group 4 Buildings Frandenburg-Group 4 Buildings Frandenburg-Rail	i/hr, 128 hr/wk	\$ 13,000.00 \$ 83,200.00 \$ 279,000.00 \$ 43,000.00 \$ 417,000.00 \$ 59,900.00	Quotes Quotes Quotes Quotes Quotes Quotes		\$0.00 \$0.00 \$0.00		\$0.00 \$0.00 \$0.00		\$0.00 \$0.00 \$0.00		\$0.00 \$0.00
Private Utility Locating Company Portable Sanifation Services Flectmal Sub - Temp Power Job Trailer Flectmal Sub - Temp Power Job Trailer Flectmal Sub - Temp Power Job Trailer Flectman Fletman Flectman Fletman Fle	i/hr, 128 hr/wk	\$ 13,000.00 \$ 83,200.00 \$ 279,000.00 \$ 43,000.00 \$ 417,000.00	Quotes Quotes Quotes Quotes Quotes Quotes Quotes Quotes		\$0.00 \$0.00 \$0.00 \$0.00		\$0.00 \$0.00 \$0.00 \$0.00		\$0 00 \$0 00 \$0.00 \$0.00		\$0.00 \$0.00 \$0.00
Private Utility Locating Company Fortable Sanitation Services Flectical Sub - Temp Power Job Trailer Flectical Sub - Temp Power Job Trailer Flectical Sub - Temp Power Job Trailer Flectical Sub - Temp Flower Job Frailer Flection Sub - Temp Flower Job Flectical Flection Sub - Temp Flection Flection Sub - Te	yhr, 128 hr/wx	\$ 13,000.00 \$ 83,200.00 \$ 279,000.00 \$ 43,000.00 \$ 417,000.00 \$ 59,900.00 \$ 13,000.00	Quotes Quotes Quotes Quotes Quotes Quotes Quotes Quotes Estimate Tons Estimate CYD		\$0.00 \$0.00 \$0.00		\$0.00 \$0.00 \$0.00		\$0.00 \$0.00 \$0.00		\$0.00 \$0.00
Private Utility Locating Company Fortable Sanifation Services Flectmal Sub - Temp Power Job Trailer Flectmal Sub - Temp Power Job Trailer Flectmal Sub - Temp Power Job Trailer Flectman Sub - Temp Power Job Trailer Flectman Sub - Temp Power Job Trailer Flectman Sub - Temp Power Job Flectman Flectman Flectman Sub - Temp Flectman Flectman Flectman Sub - Temp Flectman Flettman Flectman Flectman Flettman Fl		\$ 13,000.00 \$ 83,200.00 \$ 279,000.00 \$ 43,000.00 \$ 47,000.00 \$ 59,900.00 \$ 13,000.00 1 1	Quotes Quotes Quotes Quotes Quotes Quotes Quotes Estimate Tons Estimate Tons		\$0 00 \$0 00 \$0.00 \$0.00 0 0		\$0.00 \$0.00 \$0.00 \$0.00 0 0		\$0 00 \$0 00 \$0.00 \$0 00 0		\$0.00 \$0.00 \$0.00
private Utility Locating Company fortable Sanitation Services leichical Sub - Temp Power Job Trailer liste Security Firm, Non-Working Periods, \$13 frandenburg-Mobilization frandenburg-Group 1 Buildings lirandenburg-Group 2 Buildings lirandenburg-Group 3 Buildings lirandenburg-Group 3 Buildings lirandenburg-Group 4 Buildings lirandenburg-Group 4 Buildings lirandenburg-Domobilization Juanity - Putrescible Juanity - Non Putrescible Juanity - Rai Ties Juanity - Rai Ties Juanity - Rai Ties	5th day pricing	\$ 13,000.00 \$ 83,200.00 \$ 279,000.00 \$ 43,000.00 \$ 417,000.00 \$ 59,900.00 \$ 13,000.00 1 1 1 1	Quotes Quotes Quotes Quotes Quotes Quotes Quotes Estimate Tons Estimate Tons Credit, Est Tons		\$0 00 \$0 00 \$0.00 \$0 00 0 0 0 \$0		\$0.00 \$0.00 \$0.00 \$0.00 0 0		\$0 00 \$0 00 \$0.00 \$0 00 0 0		0 0
rivate Utility Locating Company ortable Sanitation Services Lectical Sub - Temp Power Job Trailer leterical Sub - Temp Power Job Trailer lite Security Firm, Non-Working Periods, \$13 trandenburg-Mobilization trandenburg-Group 1 Buildings trandenburg-Group 2 Buildings trandenburg-Group 3 Buildings trandenburg-Group 4 Buildings trandenburg-Group 4 Buildings trandenburg-Paral literandenburg-Paral literandenburg-Demobilization trailer to Putrescible trailer tra	5th day pricing SES.	\$ 13,000.00 \$ 83,200.00 \$ 279,000.00 \$ 43,000.00 \$ 43,000.00 \$ 13,000.00 \$ 13,000.00 1 1 1 1 \$ (280.00)	Quotes Quotes Quotes Quotes Quotes Quotes Quotes Estimate Tons Estimate Tons Credit, Est Tons	Energy, 1 and	\$0 00 \$0 00 \$0.00 \$0.00 0 0 0 \$0.00		\$0.00 \$0.00 \$0.00 \$0.00 0 0 0 \$0.00		\$0 00 \$0 00 \$0.00 \$0 00 0 0 0 \$0.00 \$0.00		\$0.00 \$0.00 0 0 0 \$0.00
Private Utility Locating Company Fortable Sanifation Services Flectmal Sub - Temp Power Job Trailer Flectmal Sub - Temp Power Job Trailer Flectmal Sub - Temp Power Job Trailer Flectman Sub - Temp Power Job Trailer Flectman Sub - Temp Power Job Trailer Flectman Sub - Temp Power Job Flectman Flectman Flectman Sub - Temp Flectman Flectman Flectman Sub - Temp Flectman Flettman Flectman Flectman Flettman Fl	5th day pricing SES. 17	\$ 13,000.00 \$ 83,200.00 \$ 279,000.00 \$ 43,000.00 \$ 43,000.00 \$ 13,000.00 \$ 13,000.00 1 1 1 1 \$ (280.00)	Quotes Quotes Quotes Quotes Quotes Quotes Quotes Estimate Tons Estimate Tons Credit, Est Tons	Energy, 1 and	\$0 00 \$0 00 \$0.00 \$0.00 0 0 0 \$0.00		\$0.00 \$0.00 \$0.00 \$0.00 0 0 0 \$0.00		\$0 00 \$0 00 \$0.00 \$0 00 0 0		\$0.00 \$0.00 0 0 0 \$0.00

Estimated costs prepared and obtained by Bodine Environmental Services, Inc. in accordance with proposed scope of work, as indicated by Client		Unit Rales from HWA-6303 and		Sampling and Prof	te Profile ng, Analysis file Approval f for Off-Site	Site Project Direct an	Locates & On- ct Equipment, nd Materials not itemized in		ministration for n, On-Site and	Mobilization	of Personne
		ECHOS		Waste	Disposal	othe	r tasks)		ition Activities.	Equipment	
ERSONNEL	Straight	Rate \$37.06	Units hour	Est. Units	\$0.00	Est. Units	Est. Cost \$0 00	Est. Units 30 0	Est. Cost \$1,111.80	Est. Units	\$0.00
	Overtime	\$52.95	hour		\$0.00		\$0.00		\$0.00		\$0.00
oject Technician, HazMat	Straight	\$58 24 \$79 41	hour	20	\$465 92 \$158.82	8.0	\$465.92 \$158.82		\$0.00 \$0.00	40.0 10.0	\$2,329 60 \$794 10
econ steel/structures and others) ruck Driver, HazMat	Overtime Straignt	\$63.52	hour		\$0.00	20	\$0.00	40 0	\$2,540.80	40 0	\$2,540 80
n-site Water Truck)	Overtime	\$84 70	hour		\$0.00		\$0.00		\$0.00	10.0	\$847.00
quipment Operator, HazMat In-site 953 & Off Road Truck)	Straight Overtime	\$68.82 \$90.00	hour	 	\$0.00 \$0.00		\$0.00		\$0.00 \$0.00	8.0 2.0	\$550 56 \$180 00
hemist	Straight	\$68 82	hour		\$0.00		\$0.00	30 0	\$2,064.60		\$0.00
	Overtime Straight	\$90 00 \$79 41	hour	10 0	\$0.00 \$794 10	10 0	\$0 00 \$794.10	40 0	\$0.00 \$3,176.40	50 0	\$0.00 \$3,970.50
reld Supervisor Project Manager	Straight	\$105.88	hour	8.0	\$847.04	20 0	\$2,117.60	120 0	\$12,705 60	10 0	\$1,058 80
lealth & Safety Officer	Straight	\$79.41	hour	J	\$0.00	L	\$0.00	40.0	\$3,176.40		\$0.00
OTAL PERSONNEL	· 1 ·	. 122 202 3		K' - W,	\$2,265.88	colors both	\$3,536.44	, , , , , , , , , , , , , , , , , , ,	\$24,775.60	k King of Large	\$12,271.3
QUIPMENT		Rate	Units	Est. Units		Est. Units	Est. Cost	Est. Units	Est. Cost	Est. Units	Est. Cos
ervice Vehicle/Truck 4x2 ervice Vehicle/Auto	33010102 33010108	\$39 19 \$50.27	day	10	\$39 19 \$0 00	10	\$78.38 \$50.27	18 0	\$705.42 \$0.00	5.0	\$195.95 \$251.35
x4 Service Vehicle	CODMA	\$10.65	hour	<u> </u>	\$0.00	8.0	\$85 20		\$0.00	40 0	\$426.00
-Axle, Truck 21,700 GVW, 4x2 (Cube Van)	33010109	\$135.50	day		\$0.00	4.0	\$0.00		\$0.00	20	\$271 00
emporary Office, 32' x 8' emporary Storage Trailer, 16' x 8'	99140102 99140201	\$263 22 \$86 10	month	+	\$0.00 \$0.00	40	\$1,052.88 \$344.40		\$0.00	 	\$0.00
1,000-gallon Steel Holding Tank	19040407	\$1,297.00	month	1	\$0.00	4.0	\$5,188 00		\$0.00		\$0.00
SPS, Trimble GH (submeter accuracy)	No Echos	\$250 00	week		\$0.00	4 0	\$1,000.00		\$0.00	ļ	\$0.00
Bobcat 580 Case Extended Hoe, 4x4	COBBC	\$25.25 \$34.70	hour	+	\$0 00 \$0 00	-	\$0 00 \$0 00		\$0.00 \$0.00	-	\$0.00
CAT 953, 4 in 1 bucket	CODLG	\$69 63	hour		\$0.00	T	\$0.00		\$0.00		\$0.00
Fruck, Water, Off-Highway - dust suppression	COFWK	\$32 23	hour		\$0.00		\$0.00		\$0.00		\$0.00
Fruck, Off-Road, Rear Dump, 23T, 13-17CYD Semi Tractor -3-axle, 46,000 GVW	COEIB XTRHC	\$101.32 \$43.95	hour	-	\$0.00	 	\$0.00		\$0.00	20.0	\$0.00 \$879.00
owboy or Roll-off Trailer	XXPLD	\$21 28	hour	 	\$0.00	1	\$0.00	 	\$0.00	20.0	\$425 60
Air Compressor, 375 CFM, 100 PSI	CALDA	\$19.88	hour		\$0.00		\$0.00		\$0.00		\$0.00
Air Hose, 1", 100feet Dry Ice Blasting Machine	CALDA No Echos	\$0.97 \$3,000.00	hour month	 	\$0.00	 	\$0.00		\$0.00 \$0.00	 	\$0.00 \$0.00
Personal Low Flow Sampling Pump	33 02 0314	\$212.89	month		\$0.00	4 0	\$851 56		\$0.00		\$0.00
Ambient Air Monitor	33 02 0315	\$767.87	month		\$0.00	4.0	\$3,071.48		\$0.00		\$0.00
Frash Pump - 3", 150 GPM FOTAL: EQUIPMENT	17 03 1003	\$46.95	day 1475	 	\$0.00 \$39.19	15.0	\$704.25 \$12.426.42	1 89.	\$0.00 \$705:42		\$0.00 \$2,448.90
TERIALS -E-Disposable Nitrile Sample Gloves	33010423	\$0.22	Units pair	Est. Units	\$0 00	Est. Units	\$0 00	Est. Units	Est. Cost \$0 00	Est. Units	Est. Cos \$0.00
PPE-Nitrile Work Gloves Gloves	No Echos	\$4.00	pair		\$0.00		\$0.00	 	\$0.00	 	\$0.00
PPE-Disposable Coveralls (Tyvek/Polycoaled)		\$6.83	each		\$0.00		\$0.00		\$0.00		\$0.00
PPE-Disposable PVC Pull-over Booties PPE-Repirator Cartridges - HEPA/Metals	No Echos 33 01 0406	\$8 00 \$15 36	pair pair	+	\$0.00 \$0.00	ļ	\$0.00	 	\$0.00		\$0.00 \$0.00
Shower Towels, Disposable	No Echos	\$48.00	case	†	\$0.00		\$0.00		\$0.00	-	\$0.00
Dry Ice - Comsumption Rate of 1,000 lbs/day	No Echos	\$0 30	pound		\$0.00		\$0.00		\$0.00		\$0.00
Drum Labels/DOT Markers Manifests	No Echos No Echos	\$1 50 \$7 50	each each		\$0 00 \$0 00	50 0 100.0	\$75.00 \$750.00	 	\$0.00 \$0.00		\$0.00 \$0.00
4-mil Poly Bags (75 count)	No Echos	\$50.00	roli		\$0.00	2 0	\$100.00	 	\$0.00		\$0.00
4-mil Poly Sheeting (20' by 100')	No Echos	\$65 00	roll		\$0.00	40	\$260 00		\$0.00	<u></u>	\$0.00
TOTAL MATERIALS	fatte tetti .	10.000		100	\$0.00		\$1,185.00		\$0,00		
DIRECT COSTS & FIELD PURCHASES (no		Rate	Units	Est. Units	Est. Cost	Est. Units	Est. Cost	Est. Units	Est. Cost	Est. Units	Est. Cos
Fuel (Service Trucks & Equipment), Estimated	I @ \$4 25/gallon	\$4 25 \$250 00	gallons Est /Month	80	\$34 00	60.0	\$255.00	90.0	\$382 50	180 0	\$765 00
Utilities (Electric, Phone, Internet) Hotel		\$70.00	day	-	\$0.00 \$0.00	1.0	\$1,000 00 \$70 00		\$0.00 \$0.00	 	\$0.00
Per Diem		\$28 00	day	1	\$0.00	2 0	\$56 00		\$0.00		\$0.00
Drinking Water, Job Trailer Federal, State, County and Municipal Fees		\$40 00 \$1 00	Est /Month Units		\$0.00 \$0.00	4 0	\$160 00 \$0.00		\$0.00 \$0.00		\$0.00
Analytical - Asbestos Sample Analysis		\$10.00	each		\$0.00		\$0.00	 	\$0.00	 	\$0.00 \$0.00
Analytical - Waste Profile Sample Analysis		\$800.00	each	1.0	\$800 00	``	\$0.00		\$0.00		\$0.00
Analytical - Perimeter Air Sample Analysis Analytical - Health & Safety Air Sample Analys	ıs	\$75.00 \$75.00	each each	 	\$0.00 \$0.00	-	\$0.00	10	\$75.00 \$0.00		\$0.00 \$0.00
Analytical - Surface & Storm Water Sample Ar		\$125.00	each	<u> </u>	\$0.00	1	\$0.00	10	\$125 00	+	\$0.00
Sampling Supplies (Sting, Ice, etc.)		\$50.00	each		\$0.00		\$0.00	5.0	\$250.00		\$0.00
Shipping Charges for Samples/Documents Office Supplies/Copies by vendor		\$35 00 \$200 00	each Month		\$0 00 \$0 00	 	\$0.00 \$0.00	5 0 4 0	\$175 00 \$800 00	 	\$0.00 \$0.00
Asbestos Waste Disposal		\$58 00	CYD		\$0.00		\$0.00	4.0	\$232 00		\$0.00
TOTAL DIRECT COSTS & FIELD PURCHAS	ES	. Obal il	. e	yin .	\$834.00	196	\$1,541.00	1 Jan .	\$2,039,50	Section 1988	\$765,00
SUBCONTRACTORS											
Private Utility Locating Company		\$ 2,000 00	Quotes		\$0.00	10	\$2,000 00		\$0.00		\$0.00
Portable Sanitation Services Electrical Sub Temp, Power Job Trailer		\$ 150.00 \$ 2,200.00	Est./Month Quotes	+	\$0 00 \$0 00	1.0	\$600 00	 	\$0.00 \$0.00	 	\$0.00
Site Security Firm, Non-Working Periods, \$13/	hr, 128 hr/wk	\$ 1,664 00	Week	 	\$0.00	17.5	\$2,200 00		\$0.00	 	\$0.00 \$0.00
Brandenburg-Mobilization		\$ 13,000.00	Quotes	ļ .	\$0.00		\$0.00	10	\$13,000 00		\$0.00
Brandenburg-Group 1 Buildings Brandenburg-Group 2 Buildings		\$ 83,200.00 \$ 279,000.00	Quotes	 	\$0.00 \$0.00		\$0 00 \$0 00	ļ	\$0.00 \$0.00	<u> </u>	\$0.00
Brandenburg-Group 3 Buildings		\$ 43,000 00	Quotes		\$0.00	 	\$0.00	 -	\$0.00	 	\$0.00 \$0.00
Brandenburg-Group 4 Buildings		\$ 417,000.00	Quotes		\$0.00		\$0.00		\$0.00		\$0.00
Brandenburg-Rail Brandenburg-Demobilization		\$ 59,900 00 \$ 13,000 00	Quotes	-	\$0.00 \$0.00	 -	\$0.00 \$0.00		\$0 00 \$0 00	ļ	\$0.00
Quantity - Putrescible		1 13,000 00	Estimate Tons		0		0	 	\$0.00	 	\$0.00
nuantity - Non Putrescible antity - Rail Ties		1	Estimate CYD		0		0		0		0
anniv - Kall Hes		1	Estimate Tons	1	0		0	1	0	L	0
uantity - Steel Scrap, value based on AMM 5	th day pricing	\$ (280.00)	Credit, Est Tons		\$ -		S -	1	\$ -		\$

Company Comp						sk 09		k 10		sk 11		sk 12
Prof. Prof	Bodine Environmental Services, Inc. in accordance with proposed scope of work, as		HWA-6303 and		Removal, T and Dispo Buil	Fransporation osal (Supply Iding)	Perimeter A	ir Monitoring	(Estimate 6,0	000 linear feet)		
Company Comp					Est. Units		Est. Units		Est. Units		Est. Units	
The content of the	Iencal						 					
Section Sect	roject Technician, HazMat				40 0				80 0		80 0	\$4,659.2
Comment Comm												\$1,588.2
Section Company Comp					8.0							
Company Comp							 					
Section Sect							 					\$900 00
Residentics Project Pr			\$68.82									\$0.00
Part							<u> </u>		1		·	
Section Proceedings Proceedings Proceedings Proceedings Proceedings Process Proc												
Section Sect	ealth & Safety Officer						72 0					\$0.00
Part					1				Car Lage			\$17,787.
The Common Price and Co							T-5					
Trees Vermich		22010102										
Service vertical COUNT 19 68 Four 200 111250 1000 400 450 100 400					3.0		100					
See Total 2, 770 (CMV 62) Easy (1971)		CODMA	\$10.65	hour		\$213.00		\$0.00		\$426 00		\$426.0
Page	Axle, Truck 21,700 GVW, 4x2 (Cube Van)				1.0							\$0.00
					ļ		-		-		 	
					 		 					
CORRECT CORRECT 15.25 Pour 10.00 10.00 52.00 20.0			\$250.00		 					\$0.00		\$0.00
AT 1932, An 1 Tuyset LOCAL G. 1994A3 Peur	obcal	CCBBC	\$25 25	hour	I	\$0.00		\$0.03		\$0.00	20 0	
Value Valu												
National Petro During 271 1-3 172 (V) Cocket 391 32 Note 59 00 50 00 32 006 40 200 32 006 40 200 32 006 40 200 32 006 40 200 32 006 40 200 32 006 40 200 32 006 40 200 32 006 40 200 32 006 40 200 32 006 40 32 006 40 32 006 40 32 006 40 32 006 40 32 006 40 32 006 3					 		 					
### TREADY SAIN # 6,000 GWW XFFHC #43 95					 		+					
witery of Parlies					·						20.0	
rif robe 1.500 1.5												\$0.00
Your Earning Matchine No Fines \$3,000.00 month 0.2 \$42.68 10.0 \$10.00 0.2 \$75.00	r Compressor, 375 CFM, 100 PSI											
### STRAND FROM FROM STRAND FROM 1 527 89 month 0.2 342 80 16.0 3.146 24 3.00 5					<u> </u>							
mement Af Mondor 33 02 G315 3767 87 month 9.00 15 0 12 859 0 50 0 50 50 50 50 50 50 50 50 50 50 50					02		16.0		0.0		0 25	
Safe Pump 1:10 GPN					1						 	\$0.00
PRIALS						\$0.00			20		20	
Disposable Namide Sample Groves 33010423 \$9.22 pair 40 \$9.68 \$9.00 \$9.0 \$1.10 \$5.00	TAL EQUIPMENT	\$70 T.L. K			1. 15 Miles	\$587,03	" 2. Z	\$16,397:58	se	\$5,524.59	A Test of Land of	\$7,347
Disposable Namie Samplie Groves 300 90 91 10 500	TOTAL C		Pate	Unite	Fet Unite	Est Cost	Fet Unite	Est Cost	Ert Unite	Est Cost	Est Units	Ect Co
E-Ramine Work Gloves Gloves (1994 Note Calculated) 3010424 56.63 each 40 \$16.00 \$0.00 \$0.0 \$20.00 \$10.0 \$44.00 \$6.00 \$6.00 \$0.00 \$10.0 \$46.00 \$6.00 \$6.00 \$10.0 \$46.00 \$6.00 \$6.00 \$10.0 \$46.00 \$6.00 \$6.00 \$10.0 \$46		33010423					LSI. OIIIS				Est. Offits	
RE Disposable Coveral's (Tyrek/Peycoated) 35010424 \$ \$ 683 each 4 0 \$27.32 \$ 30.00 \$ 50 \$34.15 \$ 10.0 \$ \$68.3 \$ RE Disposable Coveral's (Tyrek/Peycoated) 3501046 \$ 15.00 \$ 10.0 \$ 50.0 \$ 10.0							 				10.0	
PER-Repartative Cartridges - HEPA/Metals 33 01 0409 515 36 pair 4 0 361 44 \$0.00 50.00 50 \$76.80 10 0 515.95	PE-Disposable Coveralls (Tyvek/Polycoated)											
Nover Towers Deportable No Ecros \$46.00 case 10 \$46.00 \$0.00 10 \$49.00 \$10.00 \$40.00 \$10.00												
Name							 					
Figure Control Section Secti					+		†					
mil Poly Bags (75 count) No Echos \$50.00 roll 10 \$50.00 \$50.00 10 \$50.00 50.00 \$50.00 \$50.00 \$50.00 \$50.00 \$60.00 \$50.00 \$60.00 \$								\$0.00				
TemPoly Sheeting (20 by 1007 No Echos \$55.00 roll 10 \$55.00 \$50.00 \$												
RECT COSTS & FIELD PURCHASES (no markup)							ļ		1.0		10	
Rec Units Est. Units Est. Cost Est.							 		<u> </u>		L	
Let (Service Trucks & Equipment), Estimated @ \$4 25/gallon	OUNCE MENTAL CONTRACTOR OF THE PROPERTY OF THE	26 T 2 F 2 F	5 5 w 4	71.7 (44) 8	17.4	4000,14	****	·	11.36	9210.00	* K . C	
Dillines (Flectinc, Prone, Internet)	RECT COSTS & FIELD PURCHASES (no	markup)	Rate	Units	Est. Units	Est. Cost	Est. Units	Est. Cost	Est. Units	Est. Cost	Est. Units	Est. Co
SP Company SP		l @ \$4 25/gallon_			32.0		30 0		200 0		250.0	
Second S					3.0		 		20.0		20.0	
Inking Water Job Trailer							 					
education State County and Muncipal Fees \$1.00					1 70		1		1 230		230	
malynical - Waste Profile Sample Analysis \$800.00 each \$0.00	ederal, State, County and Municipal Fees		\$1 00	Units		\$0.00		\$0.00		\$0.00		\$0.00
malylical - Penmeter Air Sample Analysis \$75.00 each \$0.00 \$6.0 \$2,700.00 \$0.00							-					
					 		36.0		 		 	
Instructar Storm Water Sample Analysis \$125 00 each \$0.00		is	\$75 00		2 0				1		t	
hipping Charges for Samples/Documents	nalytical - Surface & Storm Water Sample Ar					\$0.00		\$0.00		\$0.00		\$0.00
ffice Supplies/Copies by vendor \$200 00 Month \$0.00 \$0.00 \$0.00 \$0.00 obstos Waste Disposal \$58 00 CYD 2.0 \$116 00 \$0.00 \$0.00 \$0.00 OTAL DIRECT COSTS & FIELD PURCHASES \$815.00 \$5,707.50 \$2,950,000 \$3.00 UBCONTRACTORS INVIDENTIFY OF TABLE OF T					10							
Sebesto Waste Disposal \$58.00 CYD 2.0 \$116.00 \$0.00 \$0.00 \$0.00 \$3.0		 			10		18.0		 			
Selectical Costs Selection	sbestos Waste Disposal				2 0		 		 			
Description		ES .									· · · · · · · · · · · · · · · · · · ·	
Invate Utility Locating Company \$ 2,000 00 Quotes \$0.00 \$0.0	LIBCONTRACTORS											
orlable Sanitation Services \$ 150 00 Est./Month \$0.00			\$ 2,000,00	Quotes	T	\$0.00	T	\$0.00	T	\$0.00	т	80.00
Sectional Sub - Temp Power Job Trailer \$ 2,200,00 Quotes \$0,00					 -		 		1		+	
Same	lectrical Sub - Temp Power Job Trailer		\$ 2,200.00	Quotes		\$0.00		\$0.00				
Section Part		hr, 128 hr/wk			4		+					
Pandenburg-Group 2 Buildings \$ 279,000 00 Quotes \$ 50.00												
Irandenburg-Group 3 Buildings \$ 43,000 00 Quotes \$0.00					+		+				10	
					+				+		 	
Irandenburg-Rail \$ 59,900 00 Quotes \$0.00 \$0		······································	\$ 417,000 00	Quotes		\$0.00			T			
Quantity - Putrescible 1 Estimate Tons 0 0 0 405 405 Intry - Non Putrescible 1 Estimate CVD 0 0 0 1490 1490 Idly - Rail Ties 1 Estimate Tons 0 0 360 360 0 Idity - Steel Scrap, value based on AMM 5th day pricing \$ (280 00) Credit, Est. Tons \$ - 255 \$ (71 400 00) 24 \$ 66	randenburg-Group 4 Buildings		\$ 59,900 00					\$0.00	10	\$59,900.00		\$0.0
Inity Non Putrescible 1 Estimate CYD 0 0 0 1490 1490 tity - Rail Ties 0 0 360 360 0 0 dity - Steel Scrap, value based on AMM 5th day pricing \$ (280 00) Credit, Est. Tons \$. 255 \$ (71 400 00) 24 \$.65	randenburg-Group 4 Buildings Irandenburg-Rail				1	I \$0.00	1	\$0.00		\$0.00		
bity - Rail Ties 1 Estimate Tons 0 0 360 360 0 ditty - Steel Scrap, value based on AMM 5th day pricing \$ (280 00) Credit Est. Tons \$ - \$ - 255 \$ (71 400 00) 24 \$ (67)	randenburg-Group 4 Buildings trandenburg-Rail trandenburg-Demobilization				+							
dity - Steel Scrap, value based on AMM 5th day pricing \$ (280 00) Credit, Est. Tons \$ - \$ 5. 255 \$ (71 400 00) 24 \$ (67	randenburg-Group 4 Buildings Frandenburg-Rail Frandenburg-Demobilization Juantity - Putrescible		1	Estimate Tons		0			 			
	irandenburg-Group 4 Buildings irandenburg-Rall irandenburg-Demobilization uantity - Putrescible **nitty - Non Putrescible bity - Rall Ties		1 1	Estimate Tons Estimate CYD		0		0	360	0		1490

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Estimated and proposed and obtained by									
Estimated costs prepared and obtained by Bodine Environmental Services, Inc. in									
ccordance with proposed scope of work, as									
indicated by Client		Unit Rates from HWA-6303 and						ł	
		ECHOS		Group 2	2 Structures	Group 3	Structures	Group	4 Structures
ERSONNEL	•	Rate	Units	Est. Units	Est Cost	Est. Units	Est. Cost	Est. Units	Est. Cost
lencal	Straight	\$37.06	hour		\$0.00		\$0.00		\$0.00
	Overtime	\$52.95	hour		\$0.00		\$0.00	1000.0	\$0.00
roject Technician, HazMat	Straight	\$58 24	hour	800.0	\$46,592 00 \$15,882 00	160 0 40 0	\$9,318.40 \$3,176.40	1280 0 320 0	\$74,547.21 \$25,411.21
econ steel/structures and others) ruck Driver, HazMat	Overtime Straight	\$79 41 \$63 52	hour	200 0 200 0	\$12,704.00	40 0	\$2,540 80	320 0	\$20,326 4
	Overlime	\$84 70	hour	50 0	\$4,235 00	10 0	\$847.00	80 0	\$6,776.00
n-site Water Truck) quipment Operator, HazMat	Straight	\$68 82	hour	200 0	\$13,764.00	40 0	\$2,752.80	320 0	\$22,022.4
n-site 953 & Off Road Truck)	Overtime	\$90 00	hour	500	\$4,500.00	10.0	\$900.00	80 0	\$7,200.00
hemist	Straight	\$68 82	hour	1	\$0.00		\$0.00		\$0.00
	Overtime	\$90.00	hour		\$0.00		\$0.00		\$0.00
ield Supervisor	Straight	\$79 41	hour	250 0	\$19,852 50	50.0	\$3,970.50	300 0	\$23,823 0
roject Manager	Straight	\$105 88	hour	20 0	\$2,117.60	10 0	\$1,058.80	100.0	\$10,588 0
ealth & Safety Officer	Straight	\$79 41	hour		\$0.00	<u> </u>	\$0.00	البر با	\$0.00
OTAL PERSONNEL	- F - 17 - 1.		1. 12.29	""La L' L 1944	3119,647.10	a ur	\$24,564.70		\$190,694.2
NUMBER T	т	Rate	Units	Est Usite	Est. Cost	Est. Units	Est. Cost	Est. Units	Est. Cost
QUIPMENT	33010102	\$39 19	day	Est. Units 25.0	\$979.75	50	\$195.95	400	\$1,567.60
ervice Vehicle/Truck 4x2 ervice Vehicle/Auto	33010102	\$50 27	day	25.0	\$1,256.75	50	\$251 35	200	\$1,005 40
4 Service Vehicle	CODMA	\$10.65	hour	100.0	\$1,065.00	40 0	\$426 00	80 0	\$852 00
Axle, Truck 21,700 GVW, 4x2 (Cube Van)	33010109	\$135.50	day	+	\$0.00	T	\$0.00	T	\$0.00
emporary Office, 32' x 8'	99140102	\$263 22	month		\$0.00		\$0.00		\$0.00
emporary Storage Trailer, 16' x 6'	99140201	\$86 10	month	<u> </u>	\$0.00		\$0.00		\$0.00
1,000-gallon Steel Holding Tank	19040407	\$1,297 00	month		\$0.00		\$0.00		\$0 00
PS, Trimble GH (submeter accuracy)	No Echos	\$250.00	week	\perp	\$0.00		\$0.00		\$0.00
obcat	COBBC	\$25 25	hour	200 0	\$5,050.00	40 0	\$1,010.00	320 0	\$8,080 0
30 Case Extended Hoe, 4x4	CODEF	\$34 70	hour	1	\$0.00		\$0.00	+	\$0.00
AT 953, 4 in 1 bucket	CODLG	\$69.63	hour	100 0	\$6,963.00	20.0	\$1,392.60	160.0	\$11,140 8
ruck, Water, Off-Highway - dust suppression		\$32 23	hour	200 0	\$6,446 00 \$10,132 00	40.0	\$1,289.20	320 0 160 0	\$10,313.6
ruck, Off-Road, Rear Dump, 23T, 13-17CYD	COEIB XTRHC	\$101 32 \$43 95	hour hour	100 0	\$10,132.00	20.0	\$2,026.40 \$0.00	1800	\$16,211·2 \$0.00
emi Tractor -3-axle, 46,000 GVW owboy or Roll-off Trailer	XXPLD	\$21.28	hour	 	\$0.00		\$0.00	 	\$0.00
ir Compressor, 375 CFM, 100 PSI	ÇALDA	\$19.88	hour	200.0	\$3,976 00	40.0	\$795.20	320 0	\$6,361.6
ir Hose, 1", 100feet	CALDA	\$0 97	hour	200.0	\$194 00	40 0	\$38 80	320 0	\$310 40
ry Ice Blasting Machine	No Echos	\$3,000 00	month	1 25	\$3,750 00	0 25	\$750.00	2.00	\$6,000.00
ersonal Low Flow Sampling Pump	33 02 0314	\$212 89	month		\$0.00		\$0.00		\$0.00
mbient Air Monitor	33 02 0315	\$767.87	month		\$0.00		\$0.00	1	\$0.00
rash Pump - 3", 150 GPM	17 03 1003	\$46 95	day	2.0	\$93,90	20	\$93 90	2.0	\$93 90
OTAL EQUIPMENT	<i>La</i>		7 (L. 4 M)	Listing Tolling	\$39,906.40	X.	\$8,269.40	- 188	\$61,936.5
IATERIALS		Rate	Units	Est. Units	Est. Cost	Est. Units	Est. Cost	Est. Units	Est. Cos
PE-Disposable Nitrile Sample Gloves	33010423	\$0 22	pair	1	\$0.00	1	\$0.00	7	\$0.00
PE-Nitrile Work Gloves Gloves	No Echos	\$4 00	pair	50 0	\$200.00	10.0	\$40.00	80 0	\$320.00
PE-Disposable Coveralls (Tyvek/Polycoated		\$6 83	each	50 0	\$341 50	100	\$68 30	80 0	\$546 40
PE-Disposable PVC Pull-over Booties	No Echos	\$8 00	pair	50.0	\$400.00	100	\$80 00	80.0	\$640 00
PE-Repirator Cartridges - HEPA/Metals	33 01 0406	\$15.36	pair	50 0	\$768 00	100	\$153 60	80 0	\$1,228 8
hower Towels, Disposable	No Echos	\$48 00	case	2.0	\$96 00	10	\$48.00	3 0	\$144.00
ry Ice - Comsumption Rate of 1,000 lbs/day		\$0.30	pound	2500 0	\$750 00	500 0	\$150.00	4000 0	\$1,200 0
	No Echos	\$1 50	each		\$0.00	+	\$0.00		\$0 00 \$0 00
	No Echos	\$7.50	each					1 1	
lanifests	No Echos	\$7.50 \$50.00	each	10	\$0.00	10	\$0.00	10	
anifests -mil Poly Bags (75 count)	No Echos	\$50 00	roll	10	\$50.00	1.0	\$50.00	1.0	\$50.00
anifests mil Poly Bags (75 count) mil Poly Sheeting (20' by 100')	No Echos No Echos	\$50 00 \$65 00	roll roll		\$50 00 \$0 00		\$50 00 \$0 00		\$50.00 \$0.00
anifests mil Poly Bags (75 count) mil Poly Sheeting (20' by 100')	No Echos No Echos	\$50 00	roll	10	\$50 00 \$0 00	1.0	\$50 00 \$0 00	1.0	\$50.00 \$0.00
anifests mil Poly Bags (75 count) mil Poly Sheeting (20' by 100') OTAL MATERIALS IRECT COSTS & FIELD PURCHASES (no	No Echos No Echos	\$50 00 \$65 00 Rate	roll roll Units	Est. Units	\$50 00 \$0 00 \$2,605.50 Est. Cost	Est. Units	\$50 00 \$0 00 \$589.90 Est. Cost	Est. Units	\$50.00 \$0.00 \$4,129.2 Est. Cos
anifesis mil Poly Bags (75 count) mil Poly Sheeting (20' by 100') DTAL MATERIALS IRECT COSTS & FIELD PURCHASES (no uel (Service Trucks & Equipment), Estimatec	No Echos No Echos	\$50 00 \$65 00 Rate \$4 25	roll roll Units gallons	2 2	\$50 00 \$0 00 \$2,605.50 Est. Cost \$2,762 50	and the same	\$50 00 \$0 00 \$589,90 Est. Cost \$1,062 50	78. 18. 18. 18. 18. 18. 18. 18. 18. 18. 1	\$50.00 \$0.00 \$4,129.2 Est. Cos \$2,762.5
lanifests	No Echos No Echos	\$50 00 \$65 00 Rate \$4 25 \$250 00	roll roll Units gallons Est /Month	Est. Units	\$50 00 \$0 00 \$2,605.50 Est. Cost \$2,762 50 \$0 00	Est. Units 250 0	\$50 00 \$0 00 \$589,90 Est. Cost \$1,062 50 \$0.00	Est. Units 650 0	\$50.00 \$0.00 \$4,129.2 Est. Cos \$2,762.5 \$0.00
anifesis mil Poly Bags (75 count) mil Poly Bags (75 count) mil Poly Bags (75 count) OTAL MATERIALS IRECT COSTS & FIELD PURCHASES (no uel (Service Trucks & Equipment), Estimated tilities (Electric, Phone, Internet) otel	No Echos No Echos	\$50 00 \$65 00 Rate \$4 25 \$250 00 \$70.00	Units gallons Est /Month day	Est. Units 650 0	\$50 00 \$0 00 \$2,605.50 Est. Cost \$2,762 50 \$0 00 \$9,800.00	Est. Units 250 0	\$50 00 \$0 00 \$589,90 \$589,90 \$1,062 50 \$0.00 \$1,960 00	Est. Units 650 0	\$50.00 \$0.00 \$4,129.2 Est. Cos \$2,762 5 \$0.00 \$15,680.0
anifests mil Poly Bags (75 count) mil Poly Bags (75 count) oTAL MATERIALS IRECT COSTS & FIELD PURCHASES (no uel (Service Trucks & Equipment), Estimated tilities (Electric, Phone, Internet) otel er Diem	No Echos No Echos	\$50 00 \$65 00 Rate \$4 25 \$250 00 \$70.00 \$28 00	roll roll Units gallons Est /Month day day	Est. Units	\$50 00 \$0 00 \$2,605.50 Est. Cost \$2,762 50 \$0 00 \$9,800.00 \$4,900.00	Est. Units 250 0	\$50 00 \$0 00 \$588,99 Est. Cost \$1,062 50 \$0.00 \$1,960 00 \$980.00	Est. Units 650 0	\$50.00 \$0.00 \$4,129.2 Est. Cos \$2,762 5 \$0.00 \$15,680.0 \$7,840 0
anifests mil Poly Bags (75 count) mil Poly Sheeting (20 by 100') OTAL MATERIALS IRECT COSTS & FIELD PURCHASES (no uel (Service Trucks & Equipment), Estimated tilities (Electric, Phone, Internet) otel er Diem ninking Water, Job Trailer	No Echos No Echos	\$50 00 \$65 00 Rate \$4 25 \$250 00 \$70.00 \$28 00 \$40 00	roll roll Units gallons Est /Month day Est /Month	Est. Units 650 0	\$50 00 \$0 00 \$2,695.50 Est. Cost \$2,762 50 \$0 00 \$9,800.00 \$4,900.00 \$0 00	Est. Units 250 0	\$50 00 \$0 00 \$589.90 \$1,062 50 \$0.00 \$1,960 00 \$990.00 \$0 00	Est. Units 650 0	\$50.00 \$0.00 \$4,129.2 Est. Cos \$2,762 5 \$0.00 \$15,680.0 \$7,840 0
anifesis mil Poly Bags (75 count) mil Poly Bags (75 count) mil Poly Sheeting (20' by 100') OTAL MATERIALS IRECT COSTS & FIELD PURCHASES (no uel (Service Trucks & Equipment), Estimated tilities (Electric, Phone, Internet) otel er Diem nnking Water, Job Trailer ederal, State, County and Municipal Fees	No Echos No Echos	\$50 00 \$65 00 Rate \$4 25 \$250 00 \$70.00 \$28 00	roll roll Units gallons Est /Month day day	Est. Units 650 0	\$50 00 \$0 00 \$2,605.50 Est. Cost \$2,762 50 \$0 00 \$9,800.00 \$4,900.00 \$0 00 \$0 00	Est. Units 250 0	\$50 00 \$0 00 \$589.99 Est. Cost \$1,062 50 \$0.00 \$1,960 00 \$980.00 \$0 00	Est. Units 650 0	\$50.00 \$0.00 \$4,129.2 Est. Cos \$2,762.5 \$0.00 \$15,680.0 \$7,840.0 \$0.00
anifesis mil Poly Bags (75 count) mil Poly Bags (75 count) mil Poly Sheeting (20' by 100') DTAL MATERIALS IRECT COSTS & FIELD PURCHASES (no Lei (Service Trucks & Equipment), Estimated titlities (Electric, Phone, Internet) otel er Diem nnking Water, Job Trailer ederal, State, County and Municipal Fees nallytical - Asbestos Sample Analysis	No Echos No Echos	\$50 00 \$65 00 Rate \$4 25 \$250 00 \$70.00 \$28 00 \$40 00 \$1,00	roll roll roll Units Units gallons Est /Month day day day Hest /Month Units	Est. Units 650 0	\$50 00 \$0 00 \$2,695.50 Est. Cost \$2,762 50 \$0 00 \$9,800.00 \$4,900.00 \$0 00	Est. Units 250 0	\$50 00 \$0 00 \$589.90 \$1,062 50 \$0.00 \$1,960 00 \$990.00 \$0 00	Est. Units 650 0	\$50.00 \$0.00 \$4,129.2 Est. Cos \$2,762 5 \$0.00 \$15,680.0 \$7,840 0
anifesis mil Poly Bags (75 count) mil Poly Bags (75 count) mil Poly Bags (75 count) mil Poly Sheeting (20' by 100') DTAL MATERIALS IRECT COSTS & FIELD PURCHASES (no uel (Service Trucks & Equipment), Estimated littles (Electric, Phone, Internet) otel er Diem ninking Water, Job Trailer ederal, State, County and Municipal Fees nalytical - Asbestos Sample Analysis nalytical - Waste Profile Sample Analysis nalytical - Waste Profile Sample Analysis	No Echos No Echos No Echos Markup) d @ \$4 25/gallon	\$50 00 \$65 00 Rate \$4 25 \$250 00 \$70.00 \$28 00 \$10 00 \$10 00 \$10 00 \$10 00 \$75.00	roll roll roll units gallons Est /Month day day touris each each	Est. Units 650 0	\$50 00 \$0 00 \$2,605.50 Est. Cost \$2,762 50 \$0 00 \$9,800.00 \$4,900.00 \$0 00 \$0.00 \$0.00 \$0.00 \$0.00	Est. Units 250 0	\$50 00 \$0 00 \$588.99. Est. Cost \$1,062 50 \$0,00 \$1,960 00 \$980.00 \$0 00 \$0 00 \$0 00 \$0 00 \$0 00	Est. Units 650 0	\$50.00 \$0.00 \$4,129.2 Est. Cos \$2,762 5 \$0.00 \$15,680.0 \$7,840 0 \$0.00 \$0.00 \$0.00
anifesis mil Poly Bags (75 count) mil Poly Bags (75 count) mil Poly Sheeting (20' by 100') DTAL MATERIALS IRECT COSTS & FIELD PURCHASES (no uel (Service Trucks & Equipment), Estimater titlites (Electric, Phone, Internet) otel er Diem rinking Water, Job Trailer ederal, State, County and Municipal Fees nallytical - Asbestos Sample Analysis nalytical - Waste Profile Sample Analysis nalytical - Perimeter Air Sample Analysis nalytical - Perimeter Air Sample Analysis nalytical - Perimeter Air Sample Analysis	No Echos No Echos No Echos Markup) d @ \$4 25/gallon	\$50 00 \$65 00 \$65 00 Rate \$4 25 \$250 00 \$70.00 \$28 00 \$40 00 \$10 00 \$800 00 \$75.00 \$75.00	roll roll roll roll roll roll roll roll	Est. Units 650 0	\$50 00 \$0 00 \$2,605.50 Est. Cost \$2,762 50 \$0 00 \$9,800.00 \$4,900.00 \$0 00 \$0 00 \$0.00 \$0.00 \$0.00 \$0.00	Est. Units 250 0	\$50 00 \$0 00 \$589,90,00 \$1,960 00 \$1,960 00 \$980.00 \$0 00 \$0 00	Est. Units 650 0	\$50.00 \$0.00 \$4,129.2 Est. Cos \$2,762.5 \$0.00 \$15,680.0 \$7,840.0 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00
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lanifests -mil Poly Bags (75 count) -mil Poly Sheeting (20' by 100') OTAL MATERIALS -iniPoly Sheeting (20' by 100') OTAL MATERIALS -iniPoly Sheeting (20' by 100') OTAL MATERIALS -iniPoly Sheeting (20' by 100') Ouel (Service Trucks & Equipment), Estimated (titlites (Electric, Phone, Internet) Indice (Electric, Phone, Internet) Otal -iniPoly Sheeting (Electric, Phone, Internet) Otal -iniPoly Sheeting (Sheeting) -iniPoly Sheeting -iniPoly Shee	No Echos No Echos No Echos Markup) d @ \$4 25/gallon	\$50 00 \$65 00 \$65 00 Rate \$4 25 \$250 00 \$70.00 \$28 00 \$40 00 \$10 00 \$75 00 \$75.00 \$75.00 \$75.00 \$75.00 \$75.00 \$75.00	roll roll roll roll units gallons Est/Month day day day lons each each each each each each	Est. Units 650 0	\$50 00 \$0 00 \$2,605.50 Est. Cost \$2,762 50 \$0 00 \$9,800.00 \$4,900.00 \$0 00 \$0	Est. Units 250 0	\$50 00 \$0 00 \$588,99 \$1,062 50 \$0,00 \$1,960 00 \$980.00 \$0 00 \$0	Est. Units 650 0	\$50.00 \$0.00 \$4.129.2 Est. Cos \$2,762 5 \$0.00 \$15,680.0 \$7,840 0 \$0.00 \$
anifests -mil Poly Bags (75 count) -mil Poly Bags (75 count) -mil Poly Bags (75 count) -mil Poly Sheeting (20' by 100') OTAL MATERIALS	No Echos No Echos No Echos Markup) d @ \$4 25/gallon	\$50 00 \$65 00 \$65 00 \$70.00 \$25 00 \$70.00 \$40 00 \$10 00 \$75.00 \$75.00 \$75.00 \$725.00 \$725.00 \$30 00 \$30 00	roll roll roll roll roll roll roll roll	Est. Units 650 0	\$50 00 \$0 00 \$2,605.50 Est. Cost \$2,762 50 \$0 00 \$9,800.00 \$0 00 \$0 00 \$0 \$0 00 \$0 0	Est. Units 250 0	\$50 00 \$0 00 \$580,90, \$580,90, \$1,002 50 \$0.00 \$1,960 00 \$0	Est. Units 650 0	\$50.00 \$0.00 \$3.41,729.2 Est. Cos \$2,762.5 \$0.00 \$15,680.0 \$7,840.0 \$0.0
anifesis mil Poly Bags (75 count) mil Poly Bags (75 count) mil Poly Bags (75 count) OTAL MATERIALS IRECT COSTS & FIELD PURCHASES (no uel (Service Trucks & Equipment), Estimated tilitus (Electric, Phone, Internet) otel er Diem miking Water, Job Trailer ederal, State, County and Municipal Fees nalytical - Asbestos Sample Analysis nalytical - Saves Profile Sample Analysis nalytical - Perimeter Air Sample Analysis nalytical - Perimeter Air Sample Analysis nalytical - Martia & Safety Air Sample Analysis nalytical - Grantage & Storm Water Sample Analysis nalytical - Surface & Storm Water Sample Analysis oraylical - Surface & Storm Samples/Cocuments oraylical - Surface & Storm Water Sample Analysis oraylical - Surface & Storm Samples/Cocuments oraylical - Surface & Storm Water Sample Analysis oraylical - Surface & Storm Samples/Cocuments oraylical - Surface & Storm Water Sample Analysis oraylical - Surface & Storm Water Sample Analysis	No Echos No Echos No Echos Markup) d @ \$4 25/gallon	\$50 00 \$65 00 \$65 00 \$70 00 \$70 00 \$28 00 \$1 00 \$10 00 \$75 00 \$75 00 \$75 00 \$125 00 \$75 00 \$125 00 \$12	roll roll roll roll roll roll roll roll	Est. Units 650 0	\$50 00 \$0 00 \$2,605.50 Est. Cost \$2,762 50 \$0 00 \$9,800.00 \$0 00 \$0 00 \$	Est. Units 250 0	\$50 00 \$0 00 \$588,99 \$1,062 50 \$0.00 \$1,960 00 \$0 0	Est. Units 650 0	\$50.00 \$0.00 \$4.129.2 Est. Cos \$2,762.5 \$0.00 \$15,680.0 \$0.0
anifesis mil Poly Bags (75 count) mil Poly Bags (75 count) mil Poly Bags (75 count) OTAL MATERIALS IRECT COSTS & FIELD PURCHASES (no uel (Service Trucks & Equipment), Estimater tilities (Electric, Phone, Internet) otel er Diem ninking Water, Job Trailer ederal, State, County and Municipal Fees nalytical - Asbestos Sample Analysis nalytical - Vaste Profile Sample Analysis nalytical - Health & Safety Ar Sample Analysis nalytical - Beath & Safety Ar Sample Analysis nalytical - Surface & Storm Water Sample Analysis nalytical - Surface & Sample Analy	No Echos No Echos No Echos a 4 P P P P P P P P P P P P P P P P P P	\$50 00 \$65 00 \$65 00 \$70 00 \$70 00 \$10 00 \$10 00 \$75 00 \$7	roll roll roll roll roll roll roll roll	Est. Units 650 0 140.0 175 0	\$50 00 \$0 00 \$2,605.50 Est. Cost \$2,762 50 \$0 00 \$9,800.00 \$4,900.00 \$0 00 \$0 00 \$0 \$0 00 \$0 \$0 \$0 00 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0	Est. Units 250 0 28 0 35 0	\$50 00 \$0 00 \$598,99, \$1,062 50 \$1,062 50 \$9.00 \$9.00 \$0.	Est. Units 650 0 224 0 280 0	\$50.00 \$0.00 \$2.762.5 \$0.00 \$1.762.5 \$0.00 \$15.680.0 \$0.00 \$
anifesis mil Poly Bags (75 count) mil Poly Bags (75 count) mil Poly Bags (75 count) mil Poly Sheeting (20' by 100') DTAL MATERIALS IRECT COSTS & FIELD PURCHASES (no uel (Service Trucks & Equipment), Estimated hillies (Electric Phone, Internet) otel er Diem ninking Water, Job Trailer ederal, State, County and Municipal Fees nalytical - Asbestos Sample Analysis nalytical - Vaste Profile Sample Analysis nalytical - Perimeter Air Sample Analysis nalytical - Perimeter Air Sample Analysis nalytical - Variace & Storm Water Sample Analysis nalytical - Surface & Storm Water Sample Analysis nalytical - Surface & Storm Water Sample Analysis fingsylical - Surface & Storm Water Sample Analysis sampling Supplies (Sting, i.e., etc.) hipping Charges to Samples/Documents ffice Supplies/Copies by vendor sbestos Waste Disposal OTAL DIRECT GOSTS & FIELD PURCHAS	No Echos No Echos No Echos a 4 P P P P P P P P P P P P P P P P P P	\$50 00 \$65 00 \$65 00 \$70 00 \$70 00 \$28 00 \$1 00 \$10 00 \$75 00 \$75 00 \$75 00 \$125 00 \$75 00 \$125 00 \$12	roll roll roll roll roll roll roll roll	Est. Units 650 0 140.0 175 0	\$50 00 \$0 00 \$2,605.50 Est. Cost \$2,762 50 \$0 00 \$9,800.00 \$0 00 \$0 00 \$	Est. Units 250 0 28 0 35 0	\$50 00 \$0 00 \$588,99 \$1,062 50 \$0.00 \$1,960 00 \$0 0	Est. Units 650 0 224 0 280 0	\$50.00 \$0.00 \$2.762.5 \$2.762.5 \$0.00 \$15.680.0 \$0.00
anifesis mil Poly Bags (75 count) mil Poly Bags (75 count) mil Poly Bags (75 count) DTAL MATERIALS IRECT COSTS & FIELD PURCHASES (no uel (Service Trucks & Equipment), Estimated titlites (Electric, Phone, Internet) otel er Diem nnking Water, Job Trailer ederal, State, County and Municipal Fees nalytical - Asbestos Sample Analysis nalytical - Waste Profile Sample Analysis nalytical - Health & Safety Ar Sample Analysis nalytical - Beath & Safety Ar Sample Analysis nalytical - Surface & Storm Water Sample Analysis natylical - Surface & Storm Water Sample Analysis natylical - Surface & Storm Water Sample Analysis highling Charges for Samples/Documents ffice Supplies/Copies by vendor sbestos Waste Disposal OTAL DIRECT COSTS & FIELD PURCHAS UBCONTRACTORS	No Echos No Echos No Echos a 4 P P P P P P P P P P P P P P P P P P	\$50 00 \$65 00 \$65 00 Rate \$4 25 \$250 00 \$70.00 \$28 00 \$100 \$100 \$10 00 \$75.00 \$75.00 \$75.00 \$75.00 \$35 00 \$35 00 \$35 00 \$35 00	roll roll roll roll roll roll roll roll	Est. Units 650 0 140.0 175 0	\$50 00 \$0 00 \$2,605.50 Est. Cost \$2,762 50 \$0 00 \$9,800.00 \$4,900.00 \$0 00 \$0 00 \$0 \$0 00 \$0 \$0 \$0 00 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0	Est. Units 250 0 28 0 35 0	\$50 00 \$0 00 \$598,99, \$1,062 50 \$1,062 50 \$9.00 \$9.00 \$0.	Est. Units 650 0 224 0 280 0	\$50.00 \$0.00 \$2.762.5 \$0.00 \$1.762.5 \$0.00 \$15.680.0 \$0.00 \$
anifests mil Poly Bags (75 count) mil Poly Bags (75 count) mil Poly Bags (75 count) mil Poly Sheeting (20' by 100') OTAL MATERIALS IRECT COSTS & FIELD PURCHASES (no uel (Service Trucks & Equipment), Estimater tilities (Electric, Phone, Internet) otel er Diem ninking Water, Job Trailer ederal, State, County and Municipal Fees nalytical - Asbestos Sample Analysis nalytical - Berimeter Air Sample Analysis nalytical - Perimeter Air Sample Analysis nalytical - Health & Safety Air Sample Analysis nalytical - Surface & Storm Water Sample A marpling Supplies (Sting, ice, etc.) hipping Charges for Samples/Documents ffice Supplies/Copies by vendor sbestos Waste Disposal OTAL DIRECT COSTS & FIELD PURCHAS WASTER (1885)	No Echos No Echos No Echos a 4 P P P P P P P P P P P P P P P P P P	\$50.00 \$65.00 \$65.00 Rate \$4.25 \$250.00 \$70.00 \$28.00 \$10.00 \$10.00 \$10.00 \$75.00 \$75.00 \$75.00 \$25.00 \$75.00 \$25.00 \$75.	roll roll roll roll roll roll roll roll	Est. Units 650 0 140.0 175 0	\$50 00 \$0 00 \$2,605.50 Est. Cost \$2,762 50 \$0 00 \$9,800.00 \$0 00 \$0 00 \$0 \$0 00 \$0 0	Est. Units 250 0 28 0 35 0	\$50 00 \$500,00 \$500,00 \$1,002 50 \$0,00 \$1,000 00 \$0,00	Est. Units 650 0 224 0 280 0	\$50.00 \$0.00 \$3.41.29.2 Est. Cos \$2,762.5 \$0.00 \$15,680.0 \$7,840.0 \$0.00
anifesis mil Poly Bags (75 count) mil Poly Bags (75 count) mil Poly Bags (75 count) mil Poly Sheeting (20' by 100') OTAL MATERIALS IRECT COSTS & FIELD PURCHASES (no uel (Service Trucks & Equipment), Estimated tilities (Electric, Phone, Internet) otel er Diem nikning Water, Job Trailer ederal, State, County and Municipal Fees nallytical - Asbestos Sample Analysis nallytical - Vaste Profile Sample Analysis nallytical - Perimeter Air Sample Analysis nallytical - Waste Profile Sample Analysis nallytical - Waste Profile Sample Analysis nallytical - Surface & Storm Water Sample Analysi nallytical - Surface & Storm Water Sample Analysis nallytical - Surface & Storm Water Sample Analysis of Sample (Sting, i.e., etc.) hipping Cherges for Samples/Documents ffice Supplies/Copies by vendor sbestos Waste Disposal OTAL DIRECT COSTS & FIELD PURCHAS UBCONTRACTORS rivate Utility Locating Company ortable Santation Services	No Echos No Echos No Echos a 4 P P P P P P P P P P P P P P P P P P	\$50 00 \$65 00 \$65 00 \$70 00 \$250 00 \$70 00 \$28 00 \$40 00 \$10 00 \$300 00 \$75 00 \$75 00 \$125 00 \$20 00 \$20 00 \$20 00 \$350 00 \$20 00 \$350	roll roll roll roll roll roll roll roll	Est. Units 650 0 140.0 175 0	\$50 00 \$0 00 \$2,605.50 \$2,605.50 \$2,605.50 \$9,800.00 \$9,800.00 \$0 00 \$0	Est. Units 250 0 28 0 35 0	\$50 00 \$588,99 \$588,99 \$1,062 50 \$0.00 \$1,960 00 \$0 00	Est. Units 650 0 224 0 280 0	\$50.00 \$0.00 \$10.00 \$1.4129.22 \$1.4129.22 \$1.00 \$1.680.0 \$7.840.0 \$0.00
anifesis mil Poly Bags (75 count) mil Poly Bags (75 count) mil Poly Bags (75 count) mil Poly Sheeting (20' by 100') OTAL MATERIALS IRECT COSTS & FIELD PURCHASES (no uel (Service Trucks & Equipment), Estimated tilities (Electric, Phone, Internet) otel er Diem nnking Water, Job Trailer ederal, State, County and Municipal Fees nalytical - Asbestos Sample Analysis nalytical - Asbestos Sample Analysis nalytical - Waste Profile Sample Analysis nalytical - Waste Profile Sample Analysis nalytical - Beatin & Safety Ar Sample Analysis nalytical - Surface & Storm Water Sample Analysis nalytical - Material - Analysis nalytical - Surface & Storm Water Sample Analysis nalytical - Material - Analysis nalytical - Material - Analysis nalytical - Material - Analysis nalytical - Assessment - Analysis nalytical - Analysis nalytical - Assessment - Analysis nalytical - Analysis nalytical - Assessment - Analysis nalytical - Asses	No Echos No Echos No Echos de State (State of State of St	\$50 00 \$65 00 \$65 00 \$75 00 \$7	roll roll roll roll roll roll roll roll	Est. Units 650 0 140.0 175 0	\$50 00 \$0 00 \$2,605.50 Est. Cost \$2,762,50 \$0 00 \$9,800.00 \$4,900.00 \$0 00 \$0 00 \$0 00 \$0 00 \$0 00 \$0 00 \$0 00 \$1,900.00 \$1,90	Est. Units 250 0 28 0 35 0	\$50 00 \$0 00 \$598,99, \$1,062 50 \$0,00 \$1,960 00 \$980.00 \$0 00 \$0 00 \$00 \$	Est. Units 650 0 224 0 280 0	\$50.00 \$0.00 \$0.00 \$2.762.5 \$0.00 \$15.680.0 \$0.0
anifests mil Poly Bags (75 count) mil Poly Bags (75 count) mil Poly Bags (75 count) mil Poly Sheeting (20' by 100') OTAL MATERIALS IRECT COSTS & FIELD PURCHASES (no uei (Service Trucks & Equipment), Estimater tilities (Electric, Phone, Internet) otel er Diem rinking Water, Job Trailer ederal, State, County and Municipal Fees nalytical - Asbestos Sample Analysis nalytical - Permeter Air Sample Analysis nalytical - Permeter Air Sample Analysis nalytical - Furneter Air Sample Analysis nalytical - Burface & Storm Water Sample A nampling Supplies (Sing, ice, etc.) hipping Charges for Samples/Documents ffice Supplies/Copies by vendor sbestos Waste Disposal OTAL DIRECT, GOSTS & FIELD PURCHAS UBCONTRACTORS rivate Utility Locating Company ortable Sanitation Services lectrical Sub Temp, Power Job Trailer ite Security Firm, Non-Working Periods, \$13	No Echos No Echos No Echos de State (State of State of St	\$50 00 \$65 00 \$65 00 Rate \$4 25 \$250 00 \$70.00 \$28 00 \$40 00 \$10 00 \$51 00 \$75.00 \$75.00 \$75.00 \$75.00 \$75.00 \$75.00 \$75.00 \$75.00 \$125.00 \$10 \$10 \$10 \$10 \$10 \$10 \$10 \$10 \$10 \$	roll roll roll roll roll roll roll roll	Est. Units 650 0 140.0 175 0	\$50 00 \$0 00 \$2,605.50 Est. Cost \$2,762 50 \$0 00 \$9,800.00 \$0 00 \$0 00 \$	Est. Units 250 0 28 0 35 0	\$50 00 \$0 00 \$588,90, \$588,90, \$1,062 50 \$0.00 \$1,960 00 \$980.00 \$0 00 \$0 00	Est. Units 650 0 224 0 280 0	\$50.00 \$0.00 \$3.4.129.2 Est. Cos \$2,762.5 \$0.00 \$15,680.0 \$0.00 \$0
anifests mil Poly Bags (75 count) mil Poly Bags (75 count) mil Poly Bags (75 count) OTAL MATERIALS IRECT COSTS & FIELD PURCHASES (no usel (Service Trucks & Equipment), Estimated tilitus (Electric, Phone, Internet) otel er Diem miking Water, Job Trailer ederal, State, County and Municipal Fees nalytical - Asbestos Sample Analysis nalytical - Maste Profile Sample Analysis nalytical - Perimeter Air Sample Analysis nalytical - Waste Profile Sample Analysis nalytical - Waste Profile Sample Analysis nalytical - Master Profile Sample Analysis nalytical - Surface & Storm Water Sample Analysis nalytical - Surface & Storm Water Sample Analysis nalytical - Surface & Storm Water Sample Analysis files Supplies (Sting, I.e., etc.) hipping Charges for Samples/Documents fiftice Supplies/Copies by vendor sbestos Waste Disposal OTAL DIRECT COSTS & FIELD PURCHAS UBCONTRACTORS rivate Utility Locating Company ontable Sanitation Services lectrical Sub Temp, Power Job Traier itel Security Firm, Non-Working Periods, \$13 randenburg-Mobilization	No Echos No Echos No Echos de State (State of State of St	\$50.00 \$65.00 \$65.00 Rate \$4.25 \$250.00 \$70.00 \$28.00 \$40.00 \$1.00 \$3800.00 \$75.00 \$75.00 \$125.00 \$50.00 \$50.00 \$1.00 \$	roll roll roll roll roll roll units galions Est /Month day Gay Est /Month Units each each each each each each each each	Est. Units 650 0 140.0 175 0	\$50 00 \$0 00 \$2,605.50 \$2,605.50 \$2,605.50 \$0.00 \$9,800.00 \$	Est. Units 250 0 28 0 35 0	\$50 00 \$500 \$500 \$500 \$500 \$500 \$1,960 00 \$0 00	Est. Units 650 0 224 0 280 0	\$50.00 \$0.00 \$3.41.29.2 Est. Cos \$2,762.5 \$0.00 \$15,680.0 \$0.00
anifesis mil Poly Bags (75 count) DTAL MATERIALS IRECT COSTS & FIELD PURCHASES (no uel (Service Trucks & Equipment), Estimated titlites (Electric, Phone, Internet) otel er Diem nnking Water, Job Trailer ederal, State, County and Municipal Fees nalytical - Asbestos Sample Analysis nalytical - Waste Profile Sample Analysis nalytical - Health & Safety Ar Sample Analysis nalytical - Beath & Safety Ar Sample Analysis nalytical - Beath & Safety Ar Sample Analysis nalytical - Surface & Storm Water Sample A minging Supplies (Sting, ice, etc.) hipping Charges for Samples/Documents ffice Supplies/Copies by vendor sbestos Waste Disposal OTAL DIRECT COSTS & FIELD PURCHAS UBCONTRACTORS rivate Utility Locating Company ontable Sanitation Services lectrical Sub Temp. Power Job Trailer tel Security Firm, Non-Working Periods, \$12 randenburg-Mobilization randenburg-Group 1 Buildings	No Echos No Echos No Echos de State (State of State of St	\$50 00 \$65 00 Rate \$4 25 \$250 00 \$70.00 \$28 00 \$40 00 \$100 \$510 00 \$575.00 \$75.00 \$75.00 \$75.00 \$35 00 \$20 00 \$35 00 \$20 00 \$50	roll roll roll roll roll roll roll roll	Est. Units 650 0 140.0 175 0	\$50 00 \$0 00 \$2,605.50 Est. Cost \$2,762 50 \$0 00 \$9,800.00 \$4,900.00 \$0 00 \$0	Est. Units 250 0 28 0 35 0	\$50 00 \$0 00 \$500,000 \$500,000 \$500,000 \$500,000 \$500,000 \$500,000 \$50 00	Est. Units 650 0 224 0 280 0	\$50.00 \$0.00 \$0.00 \$2,762.5 \$0.00 \$15,680.0 \$0.0
lanifests -mil Poly Bags (75 count) -mil Poly Bags (75 count) -mil Poly Bags (75 count) -mil Poly Beeting (20' by 100')	No Echos No Echos No Echos de State (State of State of St	\$50 00 \$65 00 \$65 00 Rate \$4 25 \$250 00 \$70.00 \$28 00 \$40 00 \$10 00 \$51 00 \$75.00	roll roll roll roll roll roll roll roll	Est. Units 650 0 140.0 175 0	\$50 00 \$0 00 \$2,605.50 Est. Cost \$2,762 50 \$0 00 \$9,800.00 \$0 00 \$0 00 \$	Est. Units 250 0 28 0 35 0	\$50 00 \$0 00 \$500,900 \$500,900 \$500,900 \$1,960 00 \$1,960 00 \$0 00	Est. Units 650 0 224 0 280 0	\$50.00 \$0.00 \$3.41.29.2 Est. Cos \$2,762.5 \$0.00 \$15,680.0 \$7,840.0 \$0.00
anifesis mil Poly Bags (75 count) mil Poly Sheeting (20' by 100') OTAL MATERIALS IRECT COSTS & FIELD PURCHASES (no uel (Service Trucks & Equipment), Estimated titleservice derail, State, Job Trailer ederai, State, County and Municipal Fees nalytical - Asbestos Sample Analysis nalytical - Suaste Profile Sample Analysis nalytical - Suaste Profile Sample Analysis nalytical - Suaste Profile Sample Analysis nalytical - Surface & Storm Water Sam	No Echos No Echos No Echos de State (State of State of St	\$50 00 \$65 00 \$65 00 Rate \$4 25 \$250 00 \$70 00 \$28 00 \$40 00 \$1 00 \$3800 00 \$75 00 \$75 00 \$125 00 \$50 00 \$	roll roll roll roll roll roll roll roll	Est. Units 650 0 140.0 175 0	\$50 00 \$0 00 \$2,605.50 \$2,605.50 \$2,605.50 \$2,762 50 \$0 00 \$9,800.00 \$0 00 \$0	Est. Units 250 0 28 0 35 0	\$50 00 \$5000 \$5000 \$5000 \$5000 \$1,960 00 \$5000 \$0 00 \$	Est. Units 650 0 224 0 280 0	\$50.00 \$0.00 \$1.00 \$1.00 \$1.00 \$1.680.00 \$1.680.00 \$0.
lanifesis -mil Poly Bags (75 count) -mil Poly Bags (75 count) -mil Poly Sheeting (20' by 100') -TAL'MATERIALS -inited the state of the	No Echos No Echos No Echos de State (State of State of St	\$50 00 \$65 00 Rate \$4 25 \$250 00 \$70.00 \$28 00 \$40 00 \$100 \$10 00 \$350 00 \$75.00 \$250 00 \$35 00 \$35 00 \$200 00 \$35 00 \$200 00 \$35 00 \$200 00 \$35 00 \$200 00 \$35 00 \$200 00 \$35 0	roll roll roll roll roll roll roll roll	Est. Units 650 0 140.0 175 0	\$50 00 \$0 00 \$2,805.50 Est. Cost \$2,762.50 \$0 00 \$9,800.00 \$4,900.00 \$0 00	Est. Units 250 0 28 0 35 0	\$50 00 \$0 00 \$500,000 \$500,000 \$500,000 \$1,000 \$0,000	Est. Units 650 0 224 0 280 0	\$50.00 \$0.00 \$0.00 \$2.762 5 \$0.00 \$15.680.0 \$0.0
anifests mil Poly Bags (75 count) mil Poly Bags (75 count) mil Poly Bags (75 count) OTAL MATERIALS IRECT COSTS & FIELD PURCHASES (no uel (Service Trucks & Equipment), Estimater tilities (Electric, Phone, Internet) otel er Diem miking Water, Job Trailer ederal, State, County and Municipal Fees nalytical - Asbestos Sample Analysis nalytical - Asbestos Sample Analysis nalytical - Perimeter Air Sample Analysis nalytical - Surface & Storm Water Sample Analysis nalytical - Health & Safety Air Sample Analysis nalytical - Surface & Storm Water Sample Analysis nalytical - Surface & Storm Water Sample Analysis nalytical - Surface & Storm Water Sample Analysis nalytical - Health & Safety Air Sample Analysis nalytical - Sample Analytical nalytical - Sampl	No Echos No Echos No Echos de State (State of State of St	\$50 00 \$65 00 \$65 00 Rate \$4 25 \$250 00 \$70 00 \$28 00 \$40 00 \$1 00 \$3800 00 \$75 00 \$75 00 \$125 00 \$50 00 \$	roll roll roll roll roll roll roll roll	Est. Units 650 0 140.0 175 0	\$50 00 \$0 00 \$2,605.50 Est. Cost \$2,762 50 \$0 00 \$9,800.00 \$4,900.00 \$0 00	Est. Units 250 0 28 0 35 0	\$50 00 \$0 00 \$500,000 \$500,000 \$500,000 \$500,000 \$500,000 \$500,000 \$5000	Est. Units 650 0 224 0 280 0	\$50.00 \$0.00 \$0.00 \$3.41,729,2 \$2,762,5 \$0.00 \$15,680,0 \$0.0
lanifesis -mil Poly Bags (75 count) -mil Poly Sheeting (20' by 100') -TAL MATERIALS -mil Poly Bags (75 count) -mil Poly Sheeting (20' by 100') -TAL MATERIALS -mil Poly Bags (15 count) -may (16 count) -mil Poly Bags (16 count)	No Echos No Echos No Echos de State (State of State of St	\$50.00 \$65.00 Rate \$4.25 \$250.00 \$70.00 \$28.00 \$10.00 \$10.00 \$360.00 \$75.00 \$75.00 \$75.00 \$75.00 \$75.00 \$75.00 \$75.00 \$125.00 \$50.00 \$30.00 \$	roll roll roll roll roll roll roll roll	Est. Units 650 0 140.0 175 0	\$50 00 \$0 00 \$2,805.50 Est. Cost \$2,762.50 \$0 00 \$9,800.00 \$4,900.00 \$0 00	Est. Units 250 0 28 0 35 0	\$50 00 \$0 00 \$500,000 \$500,000 \$500,000 \$1,000 \$0,000	Est. Units 650 0 224 0 280 0	\$50.00 \$0.00 \$0.00 \$2.762 5 \$0.00 \$15.680.0 \$0.0
DIRECT COSTS & FIELD PURCHASES (no rue) (Service Trucks & Equipment), Estimated billitutes (Electric, Phone, Internet) (Internet) (I	No Echos No Echos No Echos de State (State of State of St	\$50 00 \$65 00 \$65 00 \$70 00 \$70 00 \$25 00 \$70 00 \$1 00 \$350 00 \$55 00 \$20 00 \$55 00 \$20 00 \$55 00 \$50 00 \$5	roll roll roll roll roll roll roll roll	Est. Units 650 0 140.0 175 0	\$50 00 \$0 00 \$2,605.50 Est. Cost \$2,762 50 \$0 00 \$9,800.00 \$4,900.00 \$0 00	Est. Units 250 0 28 0 35 0	\$50 00 \$5000 \$5000 \$5000 \$5000 \$1,960 00 \$90 00 \$0 00	Est. Units 650 0 224 0 280 0	\$50.00 \$0.00 \$0.00 \$1.754.129.2 \$2.762.5 \$0.00 \$15.680.0 \$7.840.0 \$0.00
anifesis mil Poly Bags (75 count) DTAL MATERIALS IRECT COSTS & FIELD PURCHASES (no uel (Service Trucks & Equipment), Estimated tiblites (Electric, Phone, Internet) otel er Diem nnking Water, Job Trailer ederal, State, County and Municipal Fees nalytical - Asbestos Sample Analysis nalytical - Asbestos Sample Analysis nalytical - Perimeter Air Sample Analysis nalytical - Beatth & Safety Ar Sample Analysis nalytical - Beatth & Safety Ar Sample Analysis nalytical - Surface & Storm Water Sample Analysis nalytical - Surface & Sample Analysis nalytical - Surface & Storm Water Sample Analysis nalytical - Surface & S	No Echos No Echos No Echos General Control Control No Echos No Echo No Echos No Echos No Echos No Echos No Echos No Echos No Echo No Echos No Echo	\$50 00 \$65 00 Rate \$4 25 \$250 00 \$70.00 \$28 00 \$40 00 \$100 \$10 00 \$510 00 \$55	roll roll roll roll roll roll roll roll	Est. Units 650 0 140.0 175 0	\$50 00 \$0 00 \$2,605.50 Est. Cost \$2,762.50 \$0 00 \$9,800.00 \$4,900.00 \$0 00	1 0 1 189	\$50 00 \$0 00 \$500,000	Est. Units 650 0 224 0 280 0	\$50.00 \$0.00 \$1.00 \$1.29.2 \$2,762 5 \$0.00 \$15,680.0 \$0.00 \$0

Page 4 of 5

				"	ask 16		sk 17		ask 18
Estimated costs prepared and obtained by Bodine Environmental Services, Inc. in accordance with proposed scope of work, as				Comple	m Project tion On-Site and Closeout	Demoh	ulization of	Prena	ration and
indicaled by Client		Unit Rates from HWA-6303 and ECHOS		Activities a	as Identified by EPA	Personne	I, Equipment Materials	Submissi	on of Projection Repor
ERSONNEL		Rate	Units	Est. Units	Est. Cost	Est. Units	Est. Cost	Est. Units	
Clerical	Straight	\$37 06 \$52 95	hour hour	-	\$0.00 \$0.00	l	\$0.00 \$0.00	12 0	\$444 72 \$0 00
roject Technician, HazMat	Overtime Straight	\$52 95	hour	80.0	\$4,659 20	40 0	\$2,329.60	 	\$0.00
Decon steel/structures and others)	Overtime	\$79 41	hour	20 0	\$1,588 20	10 0	\$794 10	<u> </u>	\$0.00
ruck Driver, HazMat	Straight	\$63 52	hour		\$0.00	32 0	\$2,032 64		\$0.00
On-site Water Truck)	Overtime	\$84 70	hour	400	\$0.00	60	\$508.20		\$0.00
quipment Operator, HazMat	Straight Overtime	\$68 82 \$90 00	hour hour	100	\$2,752 80 \$900 00		\$0.00 \$0.00		\$0 00 \$0 00
hemist	Straight	\$68 82	hour	1	\$0.00		\$0.00	16.0	\$1,101.12
mermat	Overtime	\$90 00	hour		\$0.00	***	\$0.00	1	\$0.00
ield Supervisor	Straight	\$79.41	hour	20 0	\$1,588 20	50 0	\$3,970 50	40 0	\$3,176.40
roject Manager	Straight	\$105.88	hour	50 0	\$5,294 00	10 0	\$1,058.80	40 0	\$4,235.20
ealth & Safety Officer	Straight	\$79.41	hour .	<u> </u>	\$0.00 \$16,782:40	5.7	\$0.00 \$10,693:84	160	\$1,270.56 \$10,228.0
OTAL PERSONNEL	2.50	10%	- Alkhow		- 414,102,40 .	. 14 1 Jan . W	, 4 (4)055.04	and Schiller dan	# loterbro.
QUIPMENT		Rate	Units	Est. Units	Est. Cost	Est. Units	Est. Cost	Est. Units	Est. Cost
ervice Vehicle/Truck 4x2	33010102	\$39 19	day	50	\$195 95	5.0	\$195 95	40	\$ 156 76
ervice Vehicle/Auto	33010108	\$50 27	day		\$0.00	5.0	\$251 35	 	\$0.00
x4 Service Vehicle	CODMA 33010109	\$10 65 \$135 50	hour day	50 0	\$532 50 \$0 00	40 0 2 0	\$426 00 \$271 00	1	\$0.00 \$0.00
-Axle, Truck 21,700 GVW, 4x2 (Cube Van) emporary Office, 32' x 8'	99140102	\$263 22	month		\$0.00		\$0.00	1	\$0.00
emporary Storage Trailer, 16' x 8'	99140201	\$86 10	month		\$0.00		\$0.00		\$0 00
1,000-gallon Steel Holding Tank	19040407	\$1,297 00	month		\$0.00		\$0.00		\$0.00
PS, Trimble GH (submeter accuracy)	No Echos	\$250 00	week		\$0.00		\$0.00		\$0.00
lobcat	COBBC	\$25 25 \$34 70	hour	1	\$0.00 \$0.00	 	\$0.00 \$0.00	 - 	\$0.00 \$0.00
80 Case Extended Hoe, 4x4 AT 953, 4 in 1 bucket	CODEF	\$69.63	hour	+	\$0.00		\$0.00	+	\$0.00
ruck, Water, Off-Highway - dust suppression	COFWK	\$32.23	hour	1	\$0.00		\$0.00		\$0.00
ruck, Off-Road, Rear Dump, 23T, 13-17CYD	COEIB	\$101 32	hour		\$0.00		\$0.00		\$0 00
emi Tractor -3-axle, 46,000 GVW	XTRHC	\$43 95	hour		\$0.00	20 0	\$879 00		\$0 00
owboy or Roll-off Trailer	XXPLD	\$21.28	hour	40.0	\$0 00 \$795 20	20 0	\$425.60 \$0.00		\$0.00 \$0.00
ir Compressor, 375 CFM, 100 PSI ir Hose, 1", 100feet	CALDA	\$19.88 \$0.97	hour	400	\$38.80		\$0.00	-	\$0.00
ry (ce Blasting Machine	No Echos	\$3,000 00	month	0.25	\$750.00		\$0.00	 	\$0.00
ersonal Low Flow Sampling Pump	33 02 0314	\$212.89	month		\$0.00		\$0.00	İ	\$0.00
mbient Air Monitor	33 02 0315	\$767.87	month		\$0.00		\$0.00		\$0.00
rash Pump - 3", 150 GPM	17 03 1003	\$46.95	day	5.0	\$234 75	l	\$0 00 \$2,448,90	1	\$0.00
	·		1944 1 23		\$2,547,20	The material of the state of th			\$156.78
MATERIALS PE-Disposable Nitrile Sample Gloves	33010423	Rate \$0.22	Units	Est. Units	\$0.00	Est. Units	\$0.00	Est. Units	#50.00
PE-Nitrile Work Gloves Gloves	No Echos	\$4 00	pair	2 0	\$8.00	20	\$8 00	-	\$0.00
PE-Disposable Coveralls (Tyvek/Polycoated)		\$6.83	each	20	\$13.66	2.0	\$13.66	1	\$0.00
PE-Disposable PVC Pull-over Booties	No Echos	\$8 00	pair	2 0	\$16 00	2.0	\$16 00		\$0.00
PE-Repirator Cartridges - HEPA/Metals	33 01 0406	\$15.36	pair	2.0	\$30.72	0.5	\$30.72	ļ	\$0.00
Shower Towels, Disposable Onytice - Comsumption Rate of 1,000 lbs/day	No Echos No Echos	\$48.00 \$0.30	case pound	0 5 5000 0	\$24 00 \$1,500 00	0.5	\$24 00 \$0.00		\$0.00 \$0.00
Drum Labels/DOT Markers	No Echos	\$1 50	each	00000	\$0.00		\$0.00		\$0.00
Manifests	No Echos	\$7 50	each		\$0.00		\$0.00		\$0.00
-mil Poly Bags (75 count)	No Echos	\$50 00	roll	10	\$50.00	10	\$50.00		\$0.00
-mil Poly Sheeting (20' by 100') OTAL MATERIALS	No Echos	\$65 00	roll		\$0 00 \$1,642.38		\$0 00 \$142,38		\$0.00
IRECT COSTS & FIELD PURCHASES (no r		Rate	Units	Est. Units	Est. Cost	Est. Units	Est. Cost	Est. Units	Est. Cos
uel (Service Trucks & Equipment), Estimated		\$4.25	gallons	60 0	\$255.00	200 0	\$850 00	25.0	\$106.25
tilities (Electric, Phone, Internet)		\$250 00	Est /Month		\$0.00		\$0.00		\$0.00
Rotel		\$70.00	day	12 0	\$840.00	ļ	\$0.00	 	\$0.00
Per Diem Drinking Water, Job Trailer		\$28 00 \$40 00	day Est./Month	15.0	\$420 00 \$0 00	1	\$0.00	-	\$0.00
ederal, State, County and Municipal Fees		\$1 00	Units		\$0.00	 	\$0.00	+	\$0.00
nalytical - Asbestos Sample Analysis		\$10 00	each	1	\$0.00		\$0.00		\$0.00
nalytical - Waste Profile Sample Analysis		\$800.00	each		\$0.00		\$0.00		\$0.00
nalytical - Perimeter Air Sample Analysis		\$75.00	each	ļ	\$0.00		\$0.00	1	\$0.00
nalytical - Health & Safety Air Sample Analys nalytical - Surface & Storm Water Sample An		\$75 00 \$125 00	each each	 	\$0.00 \$0.00		\$0.00 \$0.00	1	\$0.00 \$0.00
	,	\$50 00	each		\$0.00		\$0.00	1	\$0.00
			each	3.0	\$105.00		\$0.00	8.0	\$280 00
Shipping Charges for Samples/Documents		\$35 00			\$0.00	1	\$0.00		\$0.00 \$0.00
Sampling Supplies (Sting, Ice, etc.) Shipping Charges for Samples/Documents Office Supplies/Copies by vendor		\$200 00	Month				\$0.00	1	
Shipping Charges for Samples/Documents	ES		Month CYD		\$0 00 \$0 00 \$1,620,00		\$0.00 \$850,00		
Shipping Charges for Samples/Documents Office Supplies/Copies by vendor Asbestos Waste Disposal OTAL DIRECT COSTS & FIELD PURCHAS BUBCONTRACTORS	ES STORY	\$200 00 \$58 00			\$0.00				
Shipping Charges for Samples/Documents Office Supplies/Copies by vendor subcistor Waste Disposal OTAL DIRECT COSTS & FIELD PURCHAS SUBCONTRACTORS Private Utility Locating Company	ES NEW YORK	\$200 00 \$58 00 \$33	CYD , Quotes		\$0.00 \$1,620.00 \$0.00		\$850,00		\$386.25 \$0.00
Shipping Charges for Samples/Documents Office Supplies/Copies by vendor subsets of Waste Disposal OTAL DIRECT COSTS & FIELD PURCHAS SUBCONTRACTORS Private Utility Locating Company Portable Sanitation Services	ES S TO A SA	\$200 00 \$58 00 \$38 00 \$2,000 00 \$150.00	CYD Quotes Est /Month		\$0 00 \$1,620,00 \$0 00 \$0 00	0.1	\$850,00 \$0.00 \$0.00		\$386.25 \$0.00 \$0.00
Shipping Charges for Samples/Documents office Supplies/Copies by vendor subjects of Waste Disposal office Supplies/Copies by State of Stat		\$200 00 \$58 00 \$33	CYD , Quotes		\$0.00 \$1,620.00 \$0.00	0 1	\$850,00		\$386.25 \$0.00
hipping Charges for Samples/Documents office Supplies/Copies by vendor sbestos Waste Disposal OTAL DIRECT COSTS & FIELD PURCHAS BUBCONTRACTORS Trivate Utility Locating Company ortable Samitation Services lectrical Sub - Temp Power Job Trailer site Security Firm, Non-Working Periods, \$13/ brandenburg-Mobilization		\$200 00 \$58 00 \$58 00 \$ 2,000 00 \$ 150.00 \$ 2,200 00 \$ 1,664.00 \$ 13,000.00	Quotes Est /Month Quotes Week Quotes		\$0.00 \$1,620,00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00	0 1	\$850,00 \$0.00 \$0.00 \$220.00 \$0.00 \$0.00		\$386.25 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00
Shipping Charges for Samples/Documents office Supplies/Copies by vendor supplies/Copies by vendor subsets of Waste Disposal TOTAL DIRECT COSTS & FIELD PURCHAS BUBCONTRACTORS Private Utility Locating Company Portable Sanitation Services Electrical Sub. Temp Power Job Trailer Site Security Firm, Non-Working Periods. \$13/87 andenburg-Mobilization Brandenburg-Group 1 Buildings		\$200 00 \$58 00 \$58 00 \$ 2,000 00 \$ 150.00 \$ 2,200 00 \$ 1,664.00 \$ 13,000.00 \$ 33,200.00	Quotes Est /Month Quotes Week Quotes Quotes		\$0.00 \$1,620,00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00	0 1	\$850,00 \$0.00 \$0.00 \$220.00 \$0.00 \$0.00		\$386.25 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00
Shipping Charges for Samples/Documents Office Supplies/Copies by vendor subsets of Waste Disposal OTAL DIRECT COSTS & FIELD PURCHAS BUBCONTRACTORS Private Utility Locating Company Fortable Sanitation Services Electrical Sub - Temp Power Job Trailer site Security Firm, Non-Working Periods. \$13/ Brandenburg-Mobilization Brandenburg-Group 1 Buildings Brandenburg-Group 2 Buildings		\$200 00 \$58 00 \$58 00 \$150.00 \$150.00 \$2,200 00 \$1,664.00 \$13,000.00 \$3,200.00 \$279,000 00	Quotes Est /Month Quotes Week Quotes Quotes Quotes Quotes		\$0.00 \$1,620,00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00	01	\$0 00 \$0 00 \$220.00 \$0 00 \$0 00 \$0 00 \$0 00 \$0 00		\$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00
chipping Charges for Samples/Documents office Supplies/Copies by vendor sbestos Waske Disposal OTAL DIRECT COSTS & FIELD PURCHAS BUBCONTRACTORS Private Utility Locating Company ontable Sanitation Services electrical Sub - Temp Power Job Trailer itle Security Firm, Non-Working Periods, \$13/ orandenburg-Group 1 Buildings orandenburg-Group 2 Buildings orandenburg-Group 2 Buildings		\$ 2,000 00 \$58 00 \$ 150.00 \$ 150.00 \$ 2,200 00 \$ 1,664.00 \$ 13,000.00 \$ 279,000 00 \$ 279,000 00 \$ 43,000.00	Quotes Est /Month Quotes Week Quotes Quotes Quotes Quotes Quotes Quotes		\$0.00 \$1,620,00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00	01	\$0 00 \$0 00 \$220.00 \$0 00 \$0 00 \$0 00 \$0 00 \$0 00 \$0 00		\$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00
Shipping Charges for Samples/Documents office Supplies/Copies by vendor Sample Copies by V		\$200 00 \$58 00 \$58 00 \$150.00 \$150.00 \$2,200 00 \$1,664.00 \$13,000.00 \$3,200.00 \$279,000 00	Quotes Est /Month Quotes Week Quotes Quotes Quotes Quotes		\$0.00 \$1,620,00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00	01	\$0 00 \$0 00 \$220.00 \$0 00 \$0 00 \$0 00 \$0 00 \$0 00		\$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00
Shipping Charges for Samples/Documents Office Supplies/Copies by vendor Subplies/Copies by vendor Subplies/Copies by vendor Subcasson Sasse Field Purchas SUBCONTRACTORS Private Utility Locating Company Portable Sanitation Services Electrical Sub - Temp Power Job Trailer Site Security Firm, Non-Working Periods, \$13/ Brandenburg-Mobilization Brandenburg-Group 1 Buildings Brandenburg-Group 2 Buildings Brandenburg-Group 2 Buildings Brandenburg-Group 3 Buildings Brandenburg-Group 4 Buildings Brandenburg-Group 4 Buildings Brandenburg-Brail Brandenburg-Brail Brandenburg-Broup 5 Buildings Brandenburg-Broup 6 Buildings Brandenburg-Broup 7 Buildings Brandenburg-Broup 8 Buildings Brandenburg-Broup 9 Buildings Broup 9 Buildings Brandenburg-Broup 9 Buildings Broup 9 Buil		\$200 00 \$58 00 \$58 00 \$150.00 \$150.00 \$150.00 \$13,000.00 \$13,000.00 \$83,200.00 \$279,000 00 \$417,000.00	Quotes Est/Month Quotes Week Quotes Quotes Quotes Quotes Quotes Quotes Quotes Quotes		\$0.00 \$1,820.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00	01	\$0.00 \$0.00 \$0.00 \$220.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00		\$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00
chipping Charges for Samples/Documents office Supplies/Copies by vendor subsets Waste Disposal OTAL DIRECT COSTS & FIELD PURCHAS BUBCONTRACTORS Treate Utility Locating Company obrable Sanitation Services electrical Sub. Temp Power Job Trailer site Security Firm, Non-Working Periods. \$13/ orandenburg-Mobilization frandenburg-Group 1 Buildings orandenburg-Group 2 Buildings orandenburg-Group 3 Buildings orandenburg-Group 4 Buildings orandenburg-Group 4 Buildings orandenburg-Group 4 Buildings orandenburg-Group 5 Buildings orandenburg-Group 6 Buildings orandenburg-Group 8 Buildings orandenburg-Group 9 Buildings orandenburg-Group 9 Buildings orandenburg-Group 9 Buildings orandenburg-Group 9 Buildings orandenburg-Bail		\$ 2,000 00 \$58 00 \$ 150.00 \$ 150.00 \$ 2,200 00 \$ 1,664.00 \$ 13,000.00 \$ 83,200.00 \$ 417,000.00 \$ 417,000.00 \$ 13,000.00	Quotes Est/Month Quotes Week Quotes Quotes Quotes Quotes Quotes Quotes Quotes Quotes Quotes Estimate Tons		\$0.00 \$1,820,00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00		\$0.00 \$0.00 \$0.00 \$220.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00		\$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00
Shipping Charges for Samples/Documents Office Supplies/Copies by vendor subsets of Waste Disposal OTAL DIRECT COSTS & FIELD PURCHAS BUBCONTRACTORS Private Utility Locating Company Portable Sanitation Services Electrical Sub. Temp Power Job Trailer fietchical Sub. Temp Power Job Trailer fiet		\$ 2,000 00 \$58 00 \$ 150,00 \$ 150,00 \$ 1,664,00 \$ 13,000,00 \$ 279,000 00 \$ 43,000,00 \$ 417,000,00 \$ 5,59,900 00 \$ 13,000,00	CYD Quotes Est/Month Quotes Week Quotes Quotes Quotes Quotes Quotes Quotes Quotes Guotes Cuotes Suotes Guotes Cuotes Cuotes Suotes Suo		\$0 00 \$1,820.00 \$0 00 \$0 br>\$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$		\$850.00 \$0.00 \$0.00 \$220.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00		\$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00
chipping Charges for Samples/Documents office Supplies/Copies by vendor subsets Waste Disposal OTAL DIRECT COSTS & FIELD PURCHAS BUBCONTRACTORS Treate Utility Locating Company obrable Sanitation Services electrical Sub. Temp Power Job Trailer site Security Firm, Non-Working Periods. \$13/ orandenburg-Mobilization frandenburg-Group 1 Buildings orandenburg-Group 2 Buildings orandenburg-Group 3 Buildings orandenburg-Group 4 Buildings orandenburg-Group 4 Buildings orandenburg-Group 4 Buildings orandenburg-Group 5 Buildings orandenburg-Group 6 Buildings orandenburg-Group 8 Buildings orandenburg-Group 9 Buildings orandenburg-Group 9 Buildings orandenburg-Group 9 Buildings orandenburg-Group 9 Buildings orandenburg-Bail	/hr, 128 hr/wk	\$ 2,000 00 \$58 00 \$ 150.00 \$ 150.00 \$ 2,200 00 \$ 1,664.00 \$ 13,000.00 \$ 83,200.00 \$ 279,000.00 \$ 417,000.00 \$ 417,000.00 \$ 13,000.00	Quotes Est /Month Quotes Week Quotes Quotes Quotes Quotes Quotes Quotes Quotes Quotes Estimate Tons Estimate Tons		\$0.00 \$1,820,00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00		\$0.00 \$0.00 \$0.00 \$220.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00		\$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00

		, , . ,		Tas	sk 01	Tas	sk 02	Tas	sk 03	Tas	k 04
									and Submit		
Estimated costs prepared and obtained by					Submit Field		and Submit	1	Construction		
Bodine Environmental Services, Inc. in accordance with proposed scope of work, as					Plan (FSP) &		plementation	1	iter Pollution	Asbestos In	-
indicated by Client		Unit Rates from			Assurance		& Health and		Plan & Other		ation of
·		HWA-6303 and			n (QAPP) for Approval		in (HSP) for Approval		cifications for Approval	Renovation	n/Demoliti A-BOA
DEDCOMME		ECHOS Rate	Units	Est. Units	Approval Est. Cost	Est. Units	Approvai Est. Cost	Est. Units	Approval Est. Cost	Est. Units	'A-BOA Est. Cos
PERSONNEL Clerical	Straight	\$37.06	hour	10 0	\$370.60	10 0	\$370 60	10.0	\$370 60	4 0	\$148.24
	Overtime	\$52 95	hour		\$0.00		\$0.00		\$0.00		\$0.00
Project Technician, HazMat	Straight	\$58 24 \$79.41	hour hour		\$0.00 \$0.00		\$0.00 \$0.00		\$0 00 \$0 00		\$0 00 \$0 00
Decon steel/structures and others) Fruck Driver, HazMat	Overtime Straight	\$63.52	hour		\$0.00		\$0.00	1	\$0.00	-	\$0.00
On-site Water Truck)	Overtime	\$84 70	hour		\$0.00		\$0.00		\$0.00	-	\$0.00
quipment Operator, HazMat	Straight	\$68.82	hour		\$0.00 \$0.00	ļ	\$0.00 \$0.00		\$0.00 \$0.00		\$0 00 \$0 00
On-site 953 & Off Road Truck) Chemist	Overtime Straight	\$90 00 \$68 82	hour	30 0	\$2,064.60		\$0.00	 	\$0.00		\$0.00
Stiermat	Overtime	\$90.00	hour		\$0.00		\$0.00	†	\$0.00	,	\$0.00
ield Supervisor	Straight	\$79.41	hour	10 0	\$794 10	20 0	\$1,588.20	20.0	\$1,588 20	40 0	\$3,176
Project Manager	Straight	\$105 88 \$79 41	hour	40 0	\$4,235 20 \$0 00	30.0 20 0	\$3,176.40 \$1,588.20	20 0	\$2,117 60 \$0.00	40 0	\$4,235. \$317.6
Health & Safety Officer TOTAL PERSONNEL	Straight		1001	ليستنجيك	\$7,464.50						
To the Language of the Control of th		150									
QUIPMENT		Rate	Units	Est. Units	Est. Cost	Est. Units	Est. Cost	Est. Units	Est. Cost	Est. Units	Est. Co
Service Vehicle/Truck 4x2	33010102 33010108	\$39 19 \$50 27	day day	2 0	\$78.38 \$0.00	10	\$39 19 \$0.00	10	\$39 19 \$0 00	3.0	\$117 5
Service Vehicle/Auto Ix4 Service Vehicle	CODMA	\$10.65	hour	 	\$0.00	 	\$0.00	†	· \$0 00	 	\$0.00
-Axle, Truck 21,700 GVW, 4x2 (Cube Van)	33010109	\$135 50	day		\$0.00		\$0.00		\$0.00		\$0.00
emporary Office, 32' x 8'	99140102	\$263 22	month	 	\$0.00	 	\$0.00	1	\$0.00		\$0.0
Femporary Storage Trailer, 16' x 8' 21,000-gallon Steel Holding Tank	99140201 19040407	\$86.10 \$1,297.00	month month	1	\$0.00 \$0.00		\$0.00 \$0.00	1	\$0 00 \$0 00	 -	\$0.0 \$0.0
GPS, Trimble GH (submeter accuracy)	No Echos	\$250 00	week		\$0.00		\$0.00		\$0.00		\$0.0
Bobcat	COBBC	\$25.25	hour		\$0.00		\$0.00		\$0.00		\$0.0
580 Case Extended Hoe, 4x4	CODEF	\$34 70	hour	+	\$0.00 \$0.00	+	\$0.00 \$0.00	+	\$0.00 \$0.00	-	\$0.0
CAT 953, 4 in 1 bucket Fruck, Water, Off-Highway - dust suppression	CODLG	\$69 63 \$32 23	hour hour	+	\$0.00	 	\$0.00	+	\$0.00	+	\$0.0
Truck, Off-Road, Rear Dump, 23T, 13-17CYD		\$101 32	hour		\$0.00		\$0.00		\$0.00		\$0.0
Semi Tractor -3-axle, 46,000 GVW	XTRHC	\$43 95	hour		\$0.00		\$0.00		\$0.00		\$0.0
Lowboy or Roll-off Trailer Air Compressor, 375 CFM, 100 PSI	XXPLD CALDA	\$21.28 \$19.88	hour hour		\$0.00 \$0.00		\$0.00 \$0.00		\$0.00		\$0.00 \$0.00
Air Hose, 1", 100feel	CALDA	\$0.97	hour		\$0.00	·	\$0.00		\$0.00		\$0.00
Dry Ice Blasting Machine	No Echos	\$3,000 00	month		\$0.00		\$0.00		\$0.00		\$0.00
Personal Low Flow Sampling Pump	33 02 0314	\$212.89	month	 	\$0.00		\$0.00		\$0.00	ļ	\$0.00
Ambient Air Monitor Trash Pump - 3", 150 GPM	33 02 0315 17 03 1003	\$767.87 \$46.95	month day	<u> </u>	\$0.00 \$0.00	+	\$0.00 \$0.00		\$0.00 \$0.00	ļ	\$0.00 \$0.00
TOTAL EQUIPMENT	k. Susilia i	1	 	TO THE STATE OF	\$78,38	13 12 15 1	200.40	dia . Talat		1. 18.2 · · · · ·	6447.6
MATERIALS		Rate	Units	Est. Units	Est. Cost	Est. Units	Est. Cost	Est. Units	Est. Cost	Est. Units	Est. Co
PPE-Disposable Nitrile Sample Gloves	33010423	\$0 22	pair		\$0.00		\$0.00		\$0.00		\$0.00
PPE-Nitrile Work Gloves Gloves	No Echos	\$4 00	pair	-	\$0.00 \$0.00		\$0 00 \$0 00		\$0.00	 	\$0.00
PPE-Disposable Coveralls (Tyvek/Polycoated PPE-Disposable PVC Pull-over Booties) 33010424 No Echos	\$6.83 \$8.00	each pair	 	\$0.00	 	\$0.00	-	\$0.00 \$0.00	+	\$0.00
PPE-Repirator Cartridges - HEPA/Metals	33 01 0406	\$15 36	pair		\$0.00		\$0.00	 	\$0.00	 	\$0.0
Shower Towels, Disposable	No Echos	\$48 00	case		\$0.00		\$0.00		\$0.00		\$0.0
Dry Ice - Comsumption Rate of 1,000 lbs/day Drum Labels/DOT Markers	No Echos No Echos	\$0.30 \$1.50	pound each	-	\$0.00 \$0.00		\$0.00 \$0.00		\$0.00 \$0.00		\$0.0
Manifests	No Echos	\$7.50	each	 	\$0.00	 	\$0.00	+	\$0.00		\$0.00
4-mil Poly Bags (75 count)	No Echos	\$50 00	roll		\$0.00		\$0.00		\$0.00	1	\$0.00
4-mil Poly Sheeting (20' by 100')	No Echos	\$65.00	roll	1	\$0.00	<u> </u>	\$0 00		\$0.00		\$0.00
TOTAL MATERIALS		·	:	And the	\$0,000	₹	\$0,00	Tax 30	\$0.00		50.00
DIRECT COSTS & FIELD PURCHASES (no		Rate	Units	Est, Units	Est. Cost	Est. Units	Est. Cost	Est. Units	Est. Cost	Est. Units	Est. C
Fuel (Service Trucks & Equipment), Estimated	d @ \$4 25/gallon	\$4 25	gallons	8.0	\$34 00	40	\$17.00	4.0	\$17 00	15 0	\$637
Utilities (Electric, Phone, Internet) Hotel		\$250 00 \$70 00	Est /Month day		\$0.00 \$0.00		\$0 00 \$0 00	1	\$0 00 \$0 00		\$0.0 \$0.0
Per Diem		\$28 00	day		\$0.00	1	\$0.00	+	\$0.00	†	\$0.0
Drinking Water, Job Trailer		\$40.00	Est /Month		\$0.00		\$0.00		\$0.00		\$0.0
Federal, State, County and Municipal Fees Analytical - Asbestos Sample Analysis		\$1 00 \$10.00	Units each	-	\$0.00 \$0.00	1	\$0 00 \$0 00	 	\$0.00	150 0	\$150
Analytical - Aspestos Sample Analysis Analytical - Waste Profile Sample Analysis		\$800.00	each		\$0.00	+	\$0.00	 	\$0.00 \$0.00	100 0	\$1,000
Analytical - Perimeter Air Sample Analysis		\$75.00	each		\$0.00		\$0.00		\$0.00	·	\$0.0
Analytical - Health & Safety Air Sample Analytical		\$75.00	each		\$0.00		\$0.00		\$0.00		\$0.0
Analytical - Surface & Storm Water Sample Al Sampling Supplies (Sting, Ice, etc.)	naiySi5	\$125 00 \$50.00	each each	+	\$0 00 \$0 00	 	\$0.00 \$0.00	1	\$0.00 \$0.00	2.0	\$0.0 \$100
Shipping Charges for Samples/Documents		\$35.00	each	3 0	\$105.00	3.0	\$105.00	3.0	\$105.00	1.0	\$35.0
Office Supplies/Copies by vendor		\$200 00	Month		\$0.00		\$0.00		\$0.00		\$0.0
Asbestos Waste Disposal TOTAL DIRECT COSTS & FIELD PURCHAS	SES	\$58.00	CYD	 	\$0.00 \$139.00	- Konsia	\$0 00 \$122.00		\$0.00 \$122.00	L KEV + .	\$0.0
			. & v :::		LAFARTOR S	njm.	. #1 *** 135*	econ 1 Table 9 1	, withings .		`4 j ^a 9-10
SUBCONTRACTORS Private Utility Locating Company		t 2000 00	0	т	* 0.00		***	- ₁	T 00.00		
Private Utility Locating Company Portable Sanitation Services		\$ 2,000 00 \$ 150 00	Quotes Est /Month	+	\$0.00 \$0.00	+	\$0.00 \$0.00	 	\$0 00 \$0 00	 	\$0.0 \$0.0
Electrical Sub - Temp Power Job Trailer		\$ 2,200 00	Quotes		\$0.00	1	\$0.00	+	\$0.00	+	\$0.0
Site Security Firm, Non-Working Periods, \$13	/hr, 128 hr/wk	\$ 1,664.00	Week		\$0.00		\$0.00		\$0.00		\$0.0
Brandenburg-Mobilization		\$ 13,000 00	Quotes		\$0.00		\$0.00		\$0.00		\$0.0
Brandenburg-Group 1 Buildings Brandenburg-Group 2 Buildings		\$ 83,200 00 \$ 279,000 00	Quotes Quotes	 	\$0 00 \$0 00	1	\$0.00 \$0.00		\$0.00	<u> </u>	\$0.0
Brandenburg-Group 3 Buildings		\$ 43,000.00	Quotes	+	\$0.00	+	\$0.00	+	\$0.00	 	\$0.0 \$0.0
Brandenburg-Group 4 Buildings		\$ 417,000 00	Quotes		\$0.00		\$0.00	<u> </u>	\$0.00	<u> </u>	\$0.0
December 1997		\$ 59,900 00	Quotes		\$0.00		\$0.00	1	\$0.00	I	\$0.0
Brandenburg-Rail					. Pro 00	1	\$0.00	1	\$0.00	1	\$0.0
Brandenburg-Demobilization		\$ 13,000 00	Quotes Estimate Tons	 	\$0.00	 		+			
		\$ 13,000 00 1	Estimate Tons Estimate CYD		0		0		0		, 0
Brandenburg-Demobilization Quantity - Putrescible		11	Estimate Tons Estimate CYD Estimate Tons								. 0

Estimated costs prepared and obtained by Bodine Environmental Services, Inc. in accordance with proposed scope of work, as indicated by Client		Unit Rates from HWA-6303 and ECHOS		Samplin and Pro by TSDI	te Profile ng, Analysis file Approval F for Off-Site e Disposal	Site Project Direct an Expenses (Locates & On- ct Equipment, ad Materials not itemized in r tasks)	Mobilization	ninistration for i, On-Site and tion Activities.	Mobilization	
ERSONNEL		Rate	Units	Est. Units	Est. Cost	Est. Units	Est. Cost	Est. Units	Est. Cost	Est. Units	Est. Cost
Clerical	Straight Overtime	\$37 06 \$52 95	hour hour		\$0.00 \$0.00	<u> </u>	\$0.00 \$0.00	30 0	\$1,111.80 \$0.00	1	\$0.00 \$0.00
Project Technician, HazMat	Straight	\$58 24	hour	80	\$465 92	8.0	\$465 92		\$0.00	40 0	\$2,329 60
econ steel/structures and others)	Overlime	\$79 41	hour	2.0	\$158.82	2.0	\$158.82	40.0	\$0.00	10 0	\$794.10
ruck Driver, HazMat	Straight Overtime	\$63 52 \$84 70	hour hour	-	\$0.00 \$0.00		\$0.00 \$0.00	40 0	\$2,540 80 \$0 00	40 0 10 0	\$2,540 80 \$847 00
on-site Water Truck) quipment Operator, HazMat	Straight	\$68.82	hour		\$0.00		\$0.00		\$0 00	8.0	\$550.56
n-site 953 & Off Road Truck)	Overtime	\$90.00	hour		\$0.00		\$0.00	20.0	\$0.00	2.0	\$180 00
Chemist :	Straight	\$68 82 \$90 00	hour hour	 	\$0.00	-	\$0.00	30 0	\$2,064 60 \$0 00	 	\$0.00
reld Supervisor	Straight	\$79 41	hour	100	\$794.10	10 0	\$794.10	40.0	\$3,176.40	50.0	\$3,970 50
Project Manager	Straight	\$105.88	hour	8.0	\$847.04	20 0	\$2,117.60	120.0	\$12,705.60	10 0	\$1,058.80
Health & Safety Officer FOTAL PERSONNEL	Straight	\$79.41	hour 4.10	J was	\$0 00 \$2,265.88		\$0.00 \$3,536.44	40 0	\$3,176.40 \$24,775.60	3-5° 5 3, 1 1, 1 1	\$0.00 \$12,271.3
***	· ·									,	
QUIPMENT ervice Vehicle/Truck 4x2	33010102	Rate \$39.19	Units day	Est. Units	\$39 19	Est. Units 2.0	\$78.38	Est. Units 18 0	\$705 42	Est. Units 5 0	Est. Cos \$195.95
Service Vehicle/Huto	33010102	\$50.27	day	÷	\$0.00	10	\$50 27		\$0.00	5.0	\$251.35
x4 Service Vehicle	CODMA	\$10.65	hour		\$0.00	8.0	\$85 20		\$0.00	40.0	\$426 00
P-Axle, Truck 21,700 GVW, 4x2 (Cube Van) Temporary Office, 32' x 8'	33010109 99140102	\$135 50 \$263 22	day month	+	\$0.00 \$0.00	40	\$0.00 \$1,052.88	 	\$0.00	2.0	\$271 00 \$0 00
Temporary Office, 32' x 8 Temporary Storage Trailer, 16' x 8'	99140201	\$86 10	month	1	\$0.00	4.0	\$344 40		\$0.00	1	\$0.00
1,000-gallon Steel Holding Tank	19040407	\$1,297 00	month		\$0.00	4 0	\$5,188.00		\$0.00		\$0.00
GPS, Trimble GH (submeter accuracy)	No Echos COBBC	\$250.00 \$25.25	hour	 	\$0.00	4 0	\$1,000 00 \$0 00	-	\$0.00 \$0.00	 	\$0.00
Bobcat 580 Case Extended Hoe, 4x4	CODEF	\$34.70	hour		\$0.00	<u> </u>	\$0.00		\$0.00		\$0.00
CAT 953, 4 in 1 bucket	CODLG	\$69 63	hour		\$0.00		\$0.00		\$0.00		\$0.00
Fruck, Water, Off-Highway - dust suppression	COFWK	\$32.23	hour		\$0.00	ļ	\$0.00		\$0.00		\$0.00
Fruck, Off-Road, Rear Dump, 23T, 13-17CYD Semi Tractor -3-axle, 46,000 GVW	COEIB XTRHC	\$101 32 \$43 95	hour hour		\$0.00 \$0.00		\$0.00 \$0.00		\$0.00	20 0	\$0.00 \$879.00
Lowboy or Roll-off Trailer	XXPLD	\$21.28	hour		\$0.00	-	\$0.00		\$0.00	20.0	\$425.60
Air Compressor, 375 CFM, 100 PSI	CALDA	\$19.88	hour		\$0.00		\$0.00		\$0.00		\$0.00
Air Hose, 1", 100feet	No Echos	\$0.97 \$3,000.00	hour month	 	\$0.00	 	\$0.00	-	\$0.00	 	\$0.00
Dry Ice Blasting Machine Personal Low Flow Sampling Pump	33 02 0314	\$212.89	month	 	\$0.00	4 0	\$851.56		\$0 00	 	\$0.00
Ambient Air Monitor	33 02 0315	\$767.87	month		\$0.00	4.0	\$3,071 48		\$0.00		\$0.00
Frash Pump - 3", 150 GPM TOTAL EQUIPMENT 5000	17 03 1003	\$46.95	day		\$0.00 \$39:19	15.0	\$704.25 \$12,426.42	l Transferie	\$0.00 \$705.42		\$0.00 \$2,448.9
										.0268	Sales of Market and American
TERIALS	22248422	Rate	Units	Est. Units		Est. Units	Est. Cost	Est. Units	Est. Cost	Est. Units	Est. Cos
E-Disposable Nitrile Sample Gloves PPE-Nitrile Work Gloves Gloves	33010423 No Echos	\$0 22 \$4 00	pair pair		\$0.00 \$0.00		\$0.00		\$0.00	 .	\$0.00
PPE-Disposable Coveralls (Tyvek/Polycoated		\$6.83	each	1	\$0.00		\$0.00		\$0.00		\$0.00
PPE-Disposable PVC Pull-over Booties	No Echos	\$8 00	pair		\$0.00		\$0.00		\$0.00	T	\$0.00
PPE-Repirator Cartridges - HEPA/Metals	33 01 0406 No Echos	\$15.36 \$48.00	pair		\$0 00 \$0 00	 	\$0.00		\$0.00		\$0.00
Shower Towels, Disposable Dry Ice - Comsumption Rate of 1,000 lbs/day	No Echos	\$0.30	case pound	+	\$0.00	+	\$0.00		\$0.00	+	\$0.00
Drum Labels/DOT Markers	No Echos	\$1 50	each		\$0.00	50 0	\$75 00		\$0.00		\$0.00
Manifests	No Echos	\$7.50 \$50.00	each		\$0.00 \$0.00	100 0	\$750.00 \$100.00		\$0.00	ļ	\$0.00
4-mil Poly Bags (75 count) 4-mil Poly Sheeting (20' by 100')	No Echos No Echos	\$65.00	roll	+	\$0.00	40	\$260.00		\$0.00		\$0.00 \$0.00
TOTAL MATERIALS		DW 🕸 70		- u, · 🔻		(A)	\$1,185.00		\$0.00	Prints and	\$0.00
DIRECT COSTS & FIELD PURCHASES (no	markun)	Rate	Units	Est. Units	Est. Cost	Est. Units	Est. Cost	Est. Units	Est. Cost	Est. Units	Est. Cos
Fuel (Service Trucks & Equipment), Estimated		\$4.25	gallons	8.0	\$34 00	60 0	\$255,00	90.0	\$382.50	180 0	\$765.00
Utilities (Electric, Phone, Internet)		\$250.00	Est./Month		\$0.00	4 0	\$1,000 00		\$0 00		\$0.00
Hotel Per Diem		\$70 00 \$28 00	day day	 	\$0.00 \$0.00	10	\$70.00 \$56.00		\$0.00 \$0.00	-	\$0.00
Per Diem Drinking Water, Job Trailer		\$40.00	Est./Month	1	\$0.00	4 0	\$160,00	 	\$0.00	+	\$0.00 \$0.00
Federal, State, County and Municipal Fees		\$1 00	Units	1	\$0.00		\$0.00		\$0.00		\$0.00
Analytical - Asbestos Sample Analysis Analytical - Waste Profile Sample Analysis		\$10.00 \$800.00	each each	10	\$0 00 \$800 00	ļ	\$0.00 \$0.00		\$0.00 \$0.00		\$0.00
Analytical - Waste Profile Sample Analysis Analytical - Perimeter Air Sample Analysis		\$75.00	each	10	\$0.00	 	\$0.00	10	\$75.00		\$0.00 \$0.00
Analytical - Health & Safety Air Sample Analys		\$75 00	each	·	\$0.00		\$0.00		\$0.00		\$0.00
Analytical - Surface & Storm Water Sample A	nalysis	\$125 00 \$50 00	each		\$0.00	 	\$0.00	1.0	\$125.00		\$0.00
Sampling Supplies (Sting, Ice, etc.) Shipping Charges for Samples/Documents		\$35 00	each each	+	\$0 00 \$0 00	 	\$0.00	50	\$250.00 \$175.00	 	\$0.00 \$0.00
Office Supplies/Copies by vendor		\$200 00	Month		\$0.00		\$0.00	4.0	\$800.00		\$0.00
Asbestos Waste Disposal TOTAL DIRECT COSTS & FIELD PURCHAS	SE6	\$58 00	CYD		\$0,00	12/2011	\$0.00 \$1,541.00	4 0	\$232.00	, , , , , , , , , , , , , , , , , , ,	\$0.00
TO LAC DIRECT GOS IS CALLETO LOCOLA	§ES <u>at</u> c†ake	Committee Commit	and the second	b Set	\$834.00	Today il	\$1,041.00	9 135	\$2,038.50	íg vilt.	\$765.00
SUBCONTRACTORS		· · · · · · · · · · · · · · · · · · ·		~~~							
Private Utility Locating Company Portable Sanitation Services		\$ 2,000 00 \$ 150 00	Quotes Est /Month		\$0.00 \$0.00	10	\$2,000 00 \$600 00	-	\$0.00 \$0.00		\$0.00
Electrical Sub Temp. Power Job Trailer		\$ 2,200.00	Quotes	1	\$0.00	10	\$2,200.00	 	\$0.00	+	\$0.00
Site Security Firm, Non-Working Periods, \$13	/hr, 128 hr/wk	\$ 1,664.00	Week		\$0.00	17.5	\$29,120 00		\$0.00		\$0.00
Brandenburg-Mobilization		\$ 13,000 00 \$ 83,200 00	Quotes Quotes	+	\$0 00 \$0 00	 	\$0 00 \$0 00	10	\$13,000.00		\$0.00
Brandenburg-Group 1 Buildings Brandenburg-Group 2 Buildings		\$ 279,000 00	Quotes		\$0.00	+	\$0.00		\$0 00 \$0 00	+	\$0 00 \$0 00
Brandenburg-Group 3 Buildings		\$ 43,000 00	Quotes		\$0.00		\$0.00		\$0.00		\$0.00
Brandenburg-Group 4 Buildings		\$ 417,000 00	Quotes	+	\$0.00	ļ	\$0.00		\$0.00	1	\$0.00
Brandenburg-Rail Brandenburg-Demobilization		\$ 59,900.00 \$ 13,000.00	Quotes Quotes	+	\$0.00	 	\$0.00	 	\$0.00 \$0.00		\$0 00 \$0 00
Quantity - Putrescible		1	Estimate Tons	<u> </u>	0	 	0		0 0	 	\$0.00
Quantity - Non Putrescible		1	Estimate CYD		0		0		0	1	0
antity - Rail Tres		1	Estimate Tons		0	1	0		0		0
uantity - Steel Scrap, value based on AMM 5	5th day see -	\$ (280 00)	Credit, Est Tons		\$.		\$ -		\$ -		\$

				Tas	sk 09	Tas	k 10	Tas	sk 11	la	sk 12
imated costs prepared and obtained by Bodine Environmental Services, Inc. in ccordance with proposed scope of work, as indicated by Client		Unit Rates from HWA-6303 and ECHOS		Removal, T and Dispo	Abatement - ransporation osal (Supply Iding)	Perimeter A	d Safety & ur Monitoring	(Estimate 6,0	ck and Ties 200 linear feet)		Structures
RSONNEL	To. 11	Rate	Units	Est. Units	Est. Cost	Est. Units	\$0.00	Est. Units	Est. Cost \$0.00	Est. Units	Est. Co \$0 00
erical	Straight Overtime	\$37 06 \$52 95	hour		\$0.00 \$0.00		\$0.00		\$0.00		\$0.00
oject Technician, HazMat	Straight	\$58 24	hour	40 0	\$2,329 60		\$0.00	80.0	\$4,659 20	80 0 ·	\$4,659
con steel/structures and others)	Overtime	\$79 41	hour	10 0	\$794 10		\$0.00	20.0	\$1,588.20	20.0	\$1,588.
uck Driver, HazMat	Straight	\$63 52 \$84 70	hour	8 0	\$508 16 \$0 00		\$0.00 \$0.00	40 0 10.0	\$2,540.80 \$847.00	40 0 10 0	\$2,540. \$847.0
upment Operator, HazMat	Overtime Straight	\$68.82	hour hour		\$0.00		\$0.00	40.0	\$2,752.80	40.0	\$2,752
-site 953 & Off Road Truck)	Overtime	\$90 00	hour		\$0.00		\$0.00	10.0	\$900 00	10.0	\$900 0
ennsl	Straight	\$68.82	hour		\$0.00		\$0.00		\$0.00		\$0.00
	Overtime	\$90 00 \$79 41	hour	20 0	\$0.00 \$1,588.20		\$0.00 \$0.00	30 0	\$0.00 \$2,382.30	30 0	\$0.00
eld Supervisor oject Manager	Straight Straight	\$105.88	hour hour	8.0	\$847.04	 	\$0.00	20 0	\$2,117.60	20.0	\$2,117
alth & Safety Officer	Straight	\$79.41	hour	4 0	\$317.64	72 0	\$5,717.52		\$0.00		\$0.00
TAL PERSONNEL		0.496 0.	TERRET	and the	\$6,384.74		\$5,717.52	·	\$17,787.90		\$17,787
NUMBERT		Rate	Units	Est. Units	Est. Cost	Est. Units	Est. Cost	Est. Units	Est. Cost	Est. Units	Est. Co
QUIPMENT revice Vehicle/Truck 4x2	33010102	\$39.19	day	5.0	\$195 95	18.0	\$705 42	5.0	\$195.95	5.0	\$195.9
rvice Vehicle/Auto	33010108	\$50 27	day		\$0.00		\$0.00	20 •	\$100 54	50	\$251.3
4 Sérvice Vehicle	CODMA	\$10.65	hour	20 0	\$213 00		\$0.00	40 0	\$426 00	40 0	\$426 0
Axle, Truck 21,700 GVW, 4x2 (Cube Van)	33010109	\$135.50	day	1.0	\$135 50	-	\$0.00		\$0.00		\$0.00
mporary Office, 32' x 8' mporary Storage Trailer, 16' x 8'	99140102 99140201	\$263 22 \$86 10	month month	<u> </u>	\$0 00 \$0 00	 	\$0 00 \$0 00	 	\$0.00	ļ	\$0.00
,000-gallon Steel Holding Tank	19040407	\$1,297.00	month		\$0.00	 	\$0.00	 	\$0.00		\$0.00
PS, Trimble GH (submeter accuracy)	No Echos	\$250 00	week		\$0.00		\$0.00		\$0.00		\$0.00
bcat	COBBC	\$25 25	hour		\$0.00		\$0.00		\$0.00	20 0	\$505 (
0 Case Extended Hoe, 4x4	CODEF	\$34 70	hour	 .	\$0.00	<u> </u>	\$0.00	00.5	\$0.00		\$0.00
AT 953, 4 in 1 bucket uck, Water, Off-Highway - dust suppression	CODLG	\$69.63 \$32.23	hour		\$0.00 \$0.00	 	\$0.00 \$0.00	20.0 40 0	\$1,392.60 \$1,289.20	20 0	\$1,392 \$1,289
uck, Water, Off-Highway - dust suppression uck, Off-Road, Rear Dump, 23T, 13-17CYD		\$32 23 \$101 32	hour hour		\$0.00		\$0.00	20 0	\$2,026.40	20 0	\$1,289
emi Tractor -3-axle, 46,000 GVW	XTRHC	\$43 95	hour		\$0.00		\$0.00		\$0.00	<u> </u>	\$0.00
wboy or Roll-off Trailer	XXPLD	\$21.28	hour		\$0.00		\$0.00		\$0.00		\$0.00
Compressor, 375 CFM, 100 PSI	CALDA	\$19.88	hour		\$0.00	<u> </u>	\$0.00	ļ	\$0.00	20 0	\$397 6
y Ice Blasting Machine	CALDA No Echos	\$0 97 \$3,000 00	hour		\$0.00 \$0.00	 	\$0.00 \$0.00	0.0	\$0.00 \$0.00	20 0 0 25	\$19.4 \$750.0
ersonal Low Flow Sampling Pump	33 02 0314	\$212.89	month	0.2	\$42.58	16 0	\$3,406.24	1 00	\$0.00	023	\$0.00
nbient Air Monitor	33 02 0315	\$767.87	month		\$0.00	16 0	\$12,285 92		\$0.00		\$0.00
ash Pump - 3", 150 GPM	17 03 1003	\$46.95	day		\$0.00		\$0.00	2.0	\$93 90	2.0	\$93.9
TAL EQUIPMENT	Fit of sal	om La 1	or grand		\$587.03	` %	\$16,397,58	40 1	\$5,524,59	N. J	\$7,347
ERIALS		Rate	Units	Est. Units	Est. Cost	Est. Units	Est. Cost	Est. Units	Est. Cost	Est. Units	Est. Co
Disposable Nitrile Sample Gloves	33010423	\$0 22	pair	4.0	\$0.88		\$0.00	5.0	\$1.10		\$0.0
E-Nitrile Work Gloves Gloves	No Echos	\$4 00	pair	40	\$16.00		\$0.00	5.0	\$20 00	10.0	\$40.0
PE-Disposable Coveralls (Tyvek/Polycoated PE-Disposable PVC Pull-over Booties) 33010424 No Echos	\$6.83 \$8.00	each pair	40	\$27.32 \$32.00	 	\$0.00 \$0.00	50	\$34 15 \$40 00	10 0	\$68.3 \$80.0
E-Repirator Cartridges - HEPA/Metals	33 01 0406	\$15.36	pair	40	\$32 00	 	\$0.00	50	\$40.00	10.0	\$153
ower Towels, Disposable	No Echos	\$48.00	case	10	\$48 00		\$0.00	10	\$48.00	1.0	\$48 0
y Ice - Comsumption Rate of 1,000 lbs/day	No Echos	\$0.30	pound		\$0.00		\$0.00	0.0	\$0.00	500 0	\$150 (
rum Labels/DOT Markers	No Echos	\$1 50 \$7 50	each	10	\$0.00	<u></u>	\$0.00	ļ	\$0.00	ļ	\$0.00
mil Poly Bags (75 count)	No Echos No Echos	\$50.00	each roll	10	\$7 50 \$50 00	-	\$0.00 \$0.00	1.0	\$0 00 \$50 00	10	\$0.00 \$50.0
mil Poly Sheeting (20' by 100')	No Echos	\$65.00	roll	10	\$65 00	<u> </u>	\$0.00	1.	\$0.00	1.0	\$0.0
TAL MATERIALS	, , , , , , , , , , , , , , , , , , ,	1,41,713	A 38' -		\$308.14	h (Pa	·	128°	\$270,05	A	
RECT COSTS & FIELD PURCHASES (no	markun)	Rate	Units	Est. Units	Est. Cost	F-4 ()=:4-	F-4 C4	E-4 (1-24-	F-+ C	For Hills	F-1 0
iel (Service Trucks & Equipment), Estimate	- C C 1 OF / D	\$4 25	gallons	32.0	\$136.00	Est. Units	\$127.50	Est. Units 200.0	\$850.00	Est. Units 250 0	Est, Co \$1 062
ilities (Electric, Phone, Internet)		\$250 00	Est./Month		\$0.00	1	\$0.00	200.0	\$0.00	1 255 5	\$0.00
otel		\$70.00	day	3.0	\$210 00		\$0.00	20 0	\$1,400.00	20 0	\$1,400
er Diem		\$28 00	day	60	\$168 00	ļ	\$0.00	25 0	\$700 00	25 0	\$700 (
inking Water, Job Trailer deral, State, County and Municipal Fees		\$40 00 \$1 00	Est /Month Units	· · · ·	\$0.00	 	\$0.00 \$0.00	 	\$0.00 \$0.00	 	\$0.0
nalylical - Asbestos Sample Analysis		\$10.00	each		\$0.00	 	\$0.00	+	\$0.00		\$0.0
nalytical - Waste Profile Sample Analysis		\$800 00	each		\$0.00		\$0.00		\$0.00		\$0.0
nalytical - Perimeter Air Sample Analysis		\$75 00 \$75 00	each	2.0	\$0.00	36 0	\$2,700 00		\$0.00		\$0.0
		\$125.00	each each	2.0	\$150 00 \$0 00	18.0	\$1,350 00 \$0.00	 	\$0.00	 	\$0.0 \$0.0
	,	\$50 00	each		\$0.00	18 0	\$900.00	 	\$0.00	 	\$0.0
nalytical - Surface & Storm Water Sample A ampling Supplies (Sting, Ice, etc.)		\$35 00	each	10	\$35 00	18 0	\$630 00		\$0.00		\$0.0
nalylical - Surface & Storm Water Sample A ampling Supplies (Sting, ice, etc.) hipping Charges for Samples/Documents			Month		\$0.00	ļ	\$0.00		\$0.00	ļ	\$0.0
nalytical - Surface & Storm Water Sample A ampling Supplies (Sting, Ice, etc.) hipping Charges for Samples/Documents ffice Supplies/Copies by vendor		\$200 00				1	\$0.00		\$0.00 \$2,950.00	ANY TO THE STATE OF	\$0.0 \$3,162
nalytical - Surface & Storm Water Sample A impling Supplies (Sting, ice, etc.) ipping Charges for Samples/Documents ffice Supplies/Copies by vendor ibestos Waste Disposal	SES	\$200 00 \$58 00	ĊYD	2.0	\$116 00 \$815.00		\$5:707.50				· · · · · · · · · · · · · · · · · · ·
nalylical Surface & Storm Water Sample A mining Supplies (Sting, ice, etc) mipping Charges for Samples/Documents ffice Supplies/Copies by vendor bestos Waste Disposal DTAL DIRECT COSTS & FIELD PURCHAS	ses ' Jana'.	\$200 00 \$58 00		20	\$815.00		\$5,707.50	3 2 2			
nalytical - Surface & Storm Water Sample A ampling Supplies (Sting, ice, etc.) inpping Charges for Samples/Documents ffice Supplies/Copies by vendor sbestos Waste Disposal DTAL DIRECT COSTS & FIELD PURCHAS JBCONTRACTORS	ses : Dece	\$200 00 \$58 00	CYD	1 20	\$815.00			· · · · · · · ·		· -	
nalytical: Surface & Storm Water Sample A ampling Supplies (Sting, Ice, etc) pipping Charges for Samples/Documents ffice Supplies/Copies by vendor sbestos Waste Disposal DTAL DIRECT COSTS & FIELD PURCHAS JBCONTRACTORS ivate Utility Locating Company	SES .	\$200 00 \$58 00 \$58 00 \$300.00	CYD	1 20	\$815.00		\$0.00	Ţ	\$0.00	—	
nalylical Surface & Storm Water Sample A mining Supplies (Sting, ice, etc.) inpining Charges for Samples/Documents ffice Supplies/Copies by vendor ibestos Waste Disposal DTAL DIRECT COSTS & FIELD PURCHAS JBCONTRACTORS invate Utility Locating Company ortable Samilation Services	SES .	\$200 00 \$58 00	CYD	20	\$815.00					,	\$0.00 \$0.00
nalylical: Surface & Storm Water Sample A ampling Supplies (Sting, Ice, etc) pipping Charges for Samples/Documents ffice Supplies/Copies by vendor sbestos Waste Disposal DTAL DIRECT COSTS & FIELD PURCHAS JECONTRACTORS ivate Utility Locating Company ortable Sanitation Services ectrical Sub - Temp Power Job Trailer te Security Firm, Non-Working Periods, \$13		\$ 2,000.00 \$ 2,000.00 \$ 150.00 \$ 2,200.00 \$ 1,664.00	Quotes Est./Month Quotes Week	20	\$815.00 \$0.00 \$0.00		\$0.00 \$0.00		\$0.00 \$0.00	· ·	
nalytical Surface & Storm Water Sample A mining Supplies (Sting, ice, etc.) inpiping Charges for Samples/Documents ffice Supplies/Copies by vendor ibestos Waste Disposal DTAL DIRECT COSTS & FIELD PURCHAS JBCONTRACTORS ivate Utility Locating Company orlable Sanitation Services ectrical Sub - Temp Power Job Trailer te Security Firm, Non-Working Periods, \$13 andenburg-Mobilization		\$200.00 \$58.00 \$ 2,000.00 \$ 150.00 \$ 2,200.00 \$ 1,664.00 \$ 13,000.00	Quotes Est./Month Quotes Week Quotes	20	\$0.00 \$0.00 \$0.00 \$0.00 \$0.00		\$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00		\$0.00 \$0.00 \$0.00 \$0.00 \$0.00		\$0.00 \$0.00 \$0.00
najvical - Surface & Storm Water Sample A ampling Supplies (Sting, Ice, etc.) ripping Charges for Samples/Documents ffice Supplies/Copies by vendor sbestos Waste Disposal DTAL DIRECT COSTS & FIELD PURCHAS UBCONTRACTORS reate Utility Locating Company ontable Sanitation Services electrical Sub - Temp Power Job Trailer tte Security Firm, Non-Working Periods, \$13 andenburg-Group 1 Buildings		\$ 2,000.00 \$58.00 \$ 2,000.00 \$ 150.00 \$ 2,200.00 \$ 1,664.00 \$ 13,000.00 \$ 83,200.00	Quotes Est./Month Quotes Week Quotes Quotes	20	\$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00		\$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00		\$0.00 \$0.00 \$0.00 \$0.00 \$0.00	10	\$0.00 \$0.00 \$0.00 \$0.00 \$83,200
nalytical - Health & Safety Air Sample Analy- nalytical - Surface & Storm Water Sample A ampling Supplies (Sting, ice, etc.) nipping Charges for Samples/Documents ffice Supplies/Copies by vendor sibestos Waste Disposal DTAL DIRECT COSTS & FIELD PURCHAS UBCONTRACTORS rivate Utility Locating Company ortable Sanitation Services lectrical Sub - Temp Power Job Trailer te Security Firm, Non-Working Periods, \$12 andenburg-Group 1 Buildings randenburg-Group 2 Buildings randenburg-Group 2 Buildings randenburg-Group 2 Buildings randenburg-Group 2 Buildings randenburg-Group 5 Buildings		\$ 2,000.00 \$58.00 \$ 2,000.00 \$ 150.00 \$ 2,200.00 \$ 1,664.00 \$ 13,000.00 \$ 83,200.00 \$ 279.000.00	Quotes Est./Month Quotes Week Quotes Quotes Quotes Quotes	20	\$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00		\$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00		\$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00	10	\$0.00 \$0.00 \$0.00 \$0.00 \$83,200 \$0.00
nalytical Surface & Storm Water Sample A mining Supplies (Sting, Ice, etc.) supping Charges for Samples(Documents fifice Supplies/Copies by vendor obesios Waste Disposal DTAL DIRECT COSTS & FIFLD PURCHAY JECONTRACTORS strate Utility Locating Company ortable Sanitation Services ectrical Sub. Temp Power Job Trailer the Security Firm, Non-Working Periods, \$13 andenburg-Mobilization andenburg-Group 1 Buildings andenburg-Group 2 Buildings andenburg-Group 3 Buildings andenburg-Group 3 Buildings		\$ 2,000.00 \$58.00 \$ 2,000.00 \$ 150.00 \$ 2,200.00 \$ 1,664.00 \$ 13,000.00 \$ 83,200.00	Quotes Est./Month Quotes Week Quotes Quotes	20	\$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00		\$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00		\$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00	10	\$0.0 \$0.0 \$0.0 \$0.0 \$83,260 \$0.0
najvical: Surface & Storm Water Sample A ampling Supplies (Sting, ice, etc.) pipping Charges for Samples/Documents ffice Supplies/Copies by vendor sbestos Waste Disposal DTAL DIRECT COSTS & FIELD PURCHAS UBCONTRACTORS ivate Utility Locating Company ortable Sanitation Services tectrical Sub - Temp Power Job Trailer te Security Firm, Non-Working Periods, \$13 randenburg-Mobilization randenburg-Group 2 Buildings randenburg-Group 2 Buildings randenburg-Group 3 Buildings randenburg-Group 4 Buildings randenburg-Group 5 Buildings randenburg-Group 5 Buildings randenburg-Group 4 Buildings randenburg-Raii		\$ 2,000,00 \$ 150,00 \$ 150,00 \$ 1,664,00 \$ 13,000,00 \$ 279,000,00 \$ 279,000,00 \$ 43,000,00 \$ 417,000,00 \$ 59,900,00	Quotes Est./Month Quotes Week Quotes Quotes Quotes Quotes Quotes Quotes Quotes	20	\$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00		\$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00	10	\$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00	10	\$0.0 \$0.0 \$0.0 \$0.0 \$83,20 \$0.0 \$0.0
nalytical: Surface & Storm Water Sample A ampling Supplies (Sting, ice, etc.) hipping Charges for Samples/Documents ffice Supplies/Copies by vendor obsestos Waste Disposal DTAL DIRECT COSTS & FIELD PURCHAY UBCONTRACTORS invate Utility Locating Company ortable Sanitation Services electrical Sub - Temp Power Job Trailer the Security Firm, Non-Working Periods, \$12 randenburg-Mobilization frandenburg-Group 2 Buildings randenburg-Group 3 Buildings randenburg-Group 3 Buildings randenburg-Group 3 Buildings randenburg-Group 4 Buildings randenburg-Group 4 Buildings randenburg-Group 4 Buildings randenburg-Group 4 Buildings randenburg-Group 5 Buildings randenburg-Group 6 Buildings randenburg-Group 7 Buildings randenburg-Group 6 Buildings randenburg-Group 7 Buildings randenburg-Group 6 Buildings randenburg-Pembilization		\$ 2,000.00 \$58.00 \$ 150.00 \$ 1,564.00 \$ 13,000.00 \$ 13,000.00 \$ 279,000.00 \$ 43,000.00 \$ 43,000.00 \$ 13,000.00 \$ 13,000.00	Quotes Est./Month Quotes Week Quotes	20	\$0.00 \$0.00		\$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00		\$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00		\$0.0 \$0.0 \$0.0 \$83,26 \$0.0 \$0.0 \$0.0 \$0.0 \$0.0 \$0.0 \$0.0 \$0.
nalytical - Surface & Storm Water Sample A ampling Supplies (Sting, Ice, etc.) ripping Charges for Samples/Documents ffice Supplies/Copies by vendor sbestos Waste Disposal DTAL DIRECT COSTS & FIELD PURCHAS THE LIBRARY OF STATE OF O		\$ 2,000,00 \$ 150,00 \$ 150,00 \$ 1,664,00 \$ 13,000,00 \$ 279,000,00 \$ 279,000,00 \$ 43,000,00 \$ 417,000,00 \$ 59,900,00	Quotes Est./Month Quotes Week Quotes Estimate Tons	20	\$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00		\$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00		\$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00	405	\$0.00 \$0.00 \$0.00 \$83,250 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00
nalytical: Surface & Storm Water Sample A ampling Supplies (Sting, Ice, etc.) pipping Charges for Samples/Documents ffice Supplies/Copies by vendor sbestos Waste Disposal DTAL DIRECT COSTS & FIELD PURCHAS DISPOSAL PURCHAS IN THE PU		\$ 2,000.00 \$58.00 \$ 150.00 \$ 1,564.00 \$ 13,000.00 \$ 13,000.00 \$ 279,000.00 \$ 43,000.00 \$ 43,000.00 \$ 13,000.00 \$ 13,000.00	Quotes Est./Month Quotes Week Quotes Quotes Quotes Quotes Quotes Quotes Quotes Quotes Estimate Tons Estimate CYD	20	\$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00		\$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00	10	\$0.00 \$0.00		\$0.00 \$0.00 \$0.00 \$83,250 \$0.0
nalytical - Surface & Storm Water Sample A ampling Supplies (Sting, Ice, etc.) ripping Charges for Samples/Documents ffice Supplies/Copies by vendor sbestos Waste Disposal DTAL DIRECT COSTS & FIELD PURCHAS THE LIBRARY OF STATE OF O	/hr, 128 hr/wk	\$ 2,000.00 \$58.00 \$ 150.00 \$ 1,564.00 \$ 13,000.00 \$ 13,000.00 \$ 279,000.00 \$ 43,000.00 \$ 43,000.00 \$ 13,000.00 \$ 13,000.00	Quotes Est./Month Quotes Week Quotes Quotes Quotes Quotes Quotes Quotes Quotes Estimate Tons Estimate Tons	20	\$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00		\$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00	10	\$0.00 \$0.00	405 1490	\$0.0 \$0.0 \$0.0 \$0.0 \$83,20 \$0.0 \$0.0 \$0.0 \$0.0 \$1.49
nalytical: Surface & Storm Water Sample A ampling Supplies (Sting, ice, etc.) ipping Charges for Samples/Documents ffice Supplies/Copies by vendor sibestos Waste Disposal DTAL DIRECT COSTS & FIELD PURCHAS DIRECT COSTS DI	i/hr, 128 hr/wk	\$ 2,000,00 \$58,00 \$ 150,00 \$ 2,200,00 \$ 1,664,00 \$ 13,000,00 \$ 279,000,00 \$ 417,000,00 \$ 13,000,00 \$ 13,000,00 \$ 13,000,00 \$ 14,000,00	Quotes Est./Month Quotes Week Quotes Quotes Quotes Quotes Quotes Quotes Quotes Estimate Tons Estimate Tons		\$0.00 \$0.00		\$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00	1 0 360 255	\$0.00 \$0.00	405 1490	\$0.0 \$0.0 \$0.0 \$0.0 \$83,26 \$0.0 \$0.0 \$0.0 \$0.0 \$0.0 \$0.0 \$0.0
nalytical - Surface & Storm Water Sample A impling Supplies (Sting, Ice, etc.) inpping Charges for Samples/Documents fice Supplies/Copies by vendor bestos Waste Desposal DTAL DIRECT COSTS & FIELD PURCHAS JECONTRACTORS ivate Utility Locating Company ortable Sannation Services ectrical Sub - Temp Power Job Trailer te Security Firm, Non-Working Periods, \$13 andenburg-Group 1 Buildings andenburg-Group 2 Buildings andenburg-Group 2 Buildings andenburg-Group 4 Buildings andenburg-Group 4 Buildings andenburg-Group 4 Buildings andenburg-Group 5 andenburg-Group 4 andenburg-Group 4 indenburg-Group 5 indenburg-Group 4 indenburg-Group 4 indenburg-Group 4 indenburg-Group 4 indenburg-Group 5 indenburg-Group 4 indenburg-Group 5 indenburg-Group 5 indenburg-Group 6 indenburg-Group 6 indenburg-Group 6 indenburg-Group 6 indenburg-Group 7 inde	i/hr, 128 hr/wk	\$ 2,000,00 \$58,00 \$ 150,00 \$ 2,200,00 \$ 1,664,00 \$ 13,000,00 \$ 279,000,00 \$ 417,000,00 \$ 13,000,00 \$ 13,000,00 \$ 13,000,00 \$ 14,000,00	Quotes Est./Month Quotes Week Quotes Quotes Quotes Quotes Quotes Quotes Quotes Quotes Estimate Tons Estimate Tons Credit, Est Tons		\$0.00 \$0.00		\$0.00 \$0.00	10 360 255	\$0.00 \$0.00	405 1490 24	\$0.00 \$0.00

Estimated costs prepared and obtained by Bodine Environmental Services, Inc. in accordance with proposed scope of work, as indicated by Client		Unit Rates from HWA-6303 and ECHOS		Group	2 Structures	Group 3	3 Structures	Group	4 Structures
PERSONNEL		Rate	Units	Est. Units	Est. Cost	Est. Units	Est. Cost	Est. Units	Est. Cost
lerical	Straight	\$37.06	hour	++	\$0.00 \$0.00		\$0.00 \$0.00	 	\$0.00
roject Technician, HazMat	Overtime Straight	\$52.95 \$58.24	hour	800.0	\$46,592.00	160 0	\$9,318.40	1280 0	\$74,547.20
lecon steel/structures and others)	Overtime	\$79 41	hour	200.0	\$15,882 00	400	\$3,176.40	320 0	\$25,411.20
ruck Driver, HazMat	Straight	\$63 52	hour	200 0	\$12,704 00	40 0	\$2,540 80	320 0	\$20,326.40
On-site Water Truck)	Overtime	\$84.70 \$68.82	hour	50 0 200 0	\$4,235 00 \$13,764 00	10 0 40 0	\$847.00 \$2,752.80	80.0 320.0	\$6,776 00 \$22,022 40
quipment Operator, HazMal n-site 953 & Off Road Truck)	Straight Overtime	\$90.00	hour	50.0	\$4,500 00	10.0	\$900.00	80 0	\$7,200 00
hemist	Straight	\$68 82	hour		\$0.00	1	\$0.00		\$0.00
	Overtime	\$90 00	hour		\$0.00		\$0.00	-	\$0.00
ield Supervisor	Straight	\$79.41 \$105.88	hour	250.0 20.0	\$19,852 50 \$2,117 60	100	\$3,970 50 \$1,058 80	300 0	\$23,823 00 \$10,588 00
roject Manager lealth & Safety Officer	Straight Straight	\$79.41	hour	1 200	\$0.00	100	\$0.00	100.0	\$0.00
OTAL PERSONNEL				aur	\$119,647.10			Again and and	and the same of the same
OLUDATENT		Rate	Units	Est. Units	Est. Cost	Est. Units	Est. Cost	Est. Units	Est. Cost
QUIPMENT ervice Vehicle/Truck 4x2	33010102	\$39 19	day	25.0	\$979 75	5.0	\$195 95	40 0	\$1,567.60
Service Vehicle/Auto	33010108	\$50 27	day	25 0	\$1,256.75	50	\$251 35	20 0	\$1,005.40
x4 Service Vehicle	CODMA	\$10.65	hour	100 0	\$1,065.00	400	\$426.00	80 0	\$852.00
-Axie, Truck 21,700 GVW, 4x2 (Cube Van)	33010109 99140102	\$135.50 \$263.22	day month	+	\$0.00 \$0.00	+	\$0.00 \$0.00	+	\$0.00 \$0.00
emporary Office, 32' x 8' emporary Storage Trailer, 16' x 8'	99140102	\$263.22	month	 	\$0.00	+	\$0.00	+	\$0.00
1,000-gallon Steel Holding Tank	19040407	\$1,297.00	month		\$0.00		\$0.00		\$0.00
SPS, Trimble GH (submeter accuracy)	Na Echos -	\$250 00	week		\$0.00		\$0.00	1	\$0.00
Bobcat	COBBC	\$25.25	hour	200 0	\$5,050.00	40 0	\$1,010.00 \$0.00	320.0	\$8,080 00 \$0.00
80 Case Extended Hoe, 4x4 CAT 953, 4 in 1 bucket	CODEF	\$34 70 \$69 63	hour	100 0	\$0.00 \$6,963.00	20 0	\$1,392 60	160 0	\$11,140.80
ruck, Water, Off-Highway - dust suppression	COFWK	\$32 23	hour	200.0	\$6,446.00	40 0	\$1,289 20	320 0	\$10,313.60
ruck, Off-Road, Rear Dump, 23T, 13-17CYD	COEIB	\$101 32	hour	100.0	\$10,132.00	200	\$2,026.40	160 0	\$16,211.20
emi Tractor -3-axle, 46,000 GVW	XTRHC	\$43.95	hour	_	\$0.00	 	\$0.00	+	\$0.00
owboy or Roll-off Trailer Nr Compressor, 375 CFM, 100 PSI	CALDA	\$21.28 \$19.88	hour	200 0	\$0.00 \$3,976.00	400	\$0 00 \$795 20	320 0	\$0.00 \$6,361.60
ur Hose, 1", 100feet	CALDA	\$0.97	hour	200 0	\$194.00	400	\$38 80	320.0	\$310.40
Dry Ice Blasting Machine	No Echos	\$3,000 00	month	1 25	\$3,750.00	0 25	\$750 00	2.00	\$6,000,00
Personal Low Flow Sampling Pump	33 02 0314	\$212.89	month		\$0.00	 	\$0.00		\$0.00
rash Pump - 3", 150 GPM	33 02 0315 17 03 1003	\$767.87 \$46.95	month day	20	\$0 00 \$93 90	20	\$0 00 \$93 90	2.0	\$0 00 \$93 90
OTAL EQUIPMENT	1,00,7000		<u> </u>	and in the second	\$39,906:40	72	L-m.,	. 785 . 685 .	·
MATERIALS PE-Disposable Nitrile Sample Gloves	33010423	\$0 22	Units	Est. Units	Est. Cost \$0.00	Est. Units	Est. Cost \$0.00	Est. Units	\$0.00
PE-Nitrile Work Gloves Gloves	No Echos	\$4 00	pair	50.0	\$200 00	100	\$40.00	80 0	\$320,00
PE-Disposable Coveralls (Tyvek/Polycoated)		\$6.83	each	50.0	\$341 50	10 0	\$68.30	80 0	\$546 40
PE-Disposable PVC Pull-over Booties	No Echos	\$8 00	pair	50.0	\$400.00	100	\$80.00	80.0	\$640.00
PE-Repirator Cartridges - HEPA/Metals Shower Towers, Disposable	33 01 0406 No Echos	\$15 36 \$48 00	pair case	50 0 2 0	\$768.00 \$96.00	10.0	\$153 60 \$48.00	80 0 3 0	\$1,228.80 \$144.00
Ory Ice - Comsumption Rate of 1,000 lbs/day	No Echos	\$0 30	pound	2500.0	\$750.00	500 0	\$150.00	4000 0	\$1,200.00
Drum Labels/DOT Markers'	No Echos	\$1 50	each		\$0.00		\$0.00	1	\$0.00
Manifests	No Echos	\$7 50	each		\$0.00		\$0.00		\$0.00
I-mil Poly Bags (75 count) I-mil Poly Sheeting (20' by 100')	No Echos No Echos	\$50 00 \$65 00	roll	10	\$50 00 \$0 00	1.0	\$50 00 \$0 00	10	\$50.00 \$0.00
OTAL MATERIALS		1 \$00.00	1011	 	\$2,605.50	, 	\$589,90	d	#4 47D 50
DIRECT COSTS & FIELD PURCHASES (no		Rate	Units	Est. Units	Est. Cost	Est. Units	Est. Cost	Est. Units	Est. Cost
uel (Service Trucks & Equipment), Estimated Utilities (Electric, Phone, Internet)	1@ \$4,25/gallon	\$4 25 \$250.00	gallons Est /Month	650.0	\$0.00	2500	\$1,062.50	650 0	\$2,762.50
lotel		\$70 00	day	140 0	\$9,800.00	28.0	\$1,960 00	224 0	\$15,680 00
Per Diem		\$28 00	day	175 0	\$4,900.00	35.0	\$980 00	280.0	\$7,840 00
orinking Water, Job Trailer ederal, State, County and Municipal Fees		\$40 00 \$1 00	Est /Month Units	 	\$0.00 \$0.00		\$0 00 \$0 00	+	\$0.00
nalytical - Asbestos Sample Analysis		\$100	each	 	\$0.00		\$0.00	+	\$0.00
nalytical - Waste Profile Sample Analysis		\$800.00	each		\$0.00		\$0.00	<u> </u>	\$0.00
nalytical - Perimeter Air Sample Analysis		\$75.00	each		\$0.00	\perp	\$0.00		\$0.00
Analytical - Health & Safety Air Sample Analys Analytical - Surface & Storm Water Sample Ar		\$75 00 \$125 00	each		\$0.00 \$0.00	+	\$0.00	+	\$0.00
Sampling Supplies (Sting, Ice, etc.)	-uiyaia	\$50 00	each each	 -	\$0.00	+	\$0.00	+	\$0.00
Shipping Charges for Samples/Documents		\$35.00	each		\$0.00	<u> </u>	\$0.00		\$0.00
Office Supplies/Copies by vendor		\$200.00	Month		\$0.00	-	\$0.00		\$0.00
Asbestos Waste Disposal TOTAL DIRECT COSTS & FIELD PURCHAS	ES .	\$58.00	CYD	<u> </u>	\$0.00 \$17,462,50		\$0.00 \$4,002,50	-	\$0.00 \$26,282.50
	in the state of t	3 1 7 NATE:	ad North Control			.3 11111 3	٠ ٩٠٠١٩٧٤	i is wi	∵ ″. a¥o'¢aĕ ॐn
SUBCONTRACTORS		Te 2000 52					T		T
Private Utility Locating Company Portable Sanitation Services		\$ 2,000 00 \$ 150.00	Quotes Est /Month	+	\$0.00 \$0.00	+	\$0.00 \$0.00	+	\$0.00 \$0.00
lectrical Sub - Temp Power Job Trailer		\$ 2,200 00	Quotes		\$0.00	+	\$0.00	+	\$0.00
Site Security Firm, Non-Working Periods, \$13	/hr, 128 hr/wk	\$ 1,664.00	Week		\$0.00		\$0.00	<u> </u>	\$0.00
Brandenburg-Mobilization		\$ 13,000 00	Quotes	 	\$0.00		\$0.00		\$0.00
Brandenburg-Group 1 Buildings Brandenburg-Group 2 Buildings		\$ 83,200.00 \$ 279,000.00	Quotes	1.0	\$0.00 \$279,000.00	+	\$0.00	+	\$0.00
Brandenburg-Group 3 Buildings		\$ 43,000 00	Quotes	1.0	\$279,000 00	1.0	\$0.00 \$43,000.00	+	\$0.00 \$0.00
Brandenburg-Group 4 Buildings		\$ 417,000.00	Quoles		\$0.00	T	\$0.00	10	\$417,000.0
Brandenburg-Rail		\$ 59,900 00	Quotes		\$0.00		\$0.00		\$0.00
Brandenburg-Demobilization Quantity - Putrescible		\$ 13,000 00	Quotes Estimate Tons	185	\$0.00 185	41	\$0.00	519	\$0.00 519
Quantity - Non Putrescible		 	Estimate CYD	3812	3812	1189	1189	4415	4415
Quantity - Rail Ties		1	Estimate Tons		0		0		0
Quantity - Steel Scrap, value based on AMM 5	th day pricing	\$ (280 00)	Credit, Est Tons	648	\$ (181,440.0)	0) 46	\$ (12,880.00	0) 1584	\$ (443,520
TOTAL SUBCONTRACTORS OR PURCHAS			Han tun QNI.						

								1	
Estimated costs prepared and obtained by					m Project				
Bodine Environmental Services, Inc. in accordance with proposed scope of work, as					tion On-Site				
indicated by Client		Unit Rates from			and Closeout		ilization of		ration and
		HWA-6303 and ECHOS		1	as Identified by EPA		l, Equipment Naterials	J	on of Projetion Repor
ERSONNEL		Rate	Units	Est. Units	Est. Cost	Est. Units	Est. Cost	Est. Units	Est. Cost
encal	Straight	\$37.06	hour		\$0.00		\$0.00	12.0	\$444 72
	Overtime	\$52.95	hour	80 0	\$0 00 \$4,659 20	40 0	\$0.00		\$0.00
oject Technician, HazMat econ steel/structures and others)	Straight Overtime	\$58 24 \$79 41	hour	20 0	\$1,588.20	10.0	\$2,329 60 \$794 10	 	\$0.00
uck Driver, HazMai	Straight	\$63 52	hour	1 -	\$0.00	32 0	\$2,032.64	<u> </u>	\$0.00
n-site Waler Truck)	Overtime	\$84 70	hour		\$0.00	6.0	\$508 20		\$0.00
quipment Operator, HazMat	Straight	\$68.82	hour	40 0 10 0	\$2,752 80 \$900.00		\$0.00 \$0.00	 - 	\$0.00 \$0.00
n-site 953 & Off Road Truck)	Overtime Straight	\$90 00 \$68 82	hour	100	\$900.00		\$0.00	160	\$1,101.1
hemist	Overtime	\$90 00	hour	-	\$0.00		\$0.00	 	\$0.00
eld Supervisor	Straight	\$79 41	hour	20 0	\$1,588.20	50 0	\$3,970 50	40 0	\$3,176 4
roject Manager	Straight	\$105.88	hour	50 0	\$5,294 00	10 0	\$1,058.80	40.0	\$4,235.2
ealth & Safety Officer OTAL PERSONNEL	Straight	\$79 41	hour	لجبيا	\$0.00 \$16,782.40	LJ	\$0.00 \$10,693.84	16.0	\$1,270 5 \$10,228:0
DIAL PERSONNEL	* 1 1	the section of	in the last		Aigh or Age	28 July 215	41,010,000	75a 2	4179420-0
QUIPMENT		Rate	Units	Est. Units	Est. Cost	Est. Units	Est. Cost	Est. Units	Est. Cos
ervice Vehicle/Truck 4x2	33010102	\$39 19	day	5.0	\$195 95	5.0	\$195.95	4.0	\$156.7E
ervice Vehicle/Auto	33010108 CODMA	\$50 27 \$10 65	day hour	50 0	\$0.00 \$532.50	5 0 40 0	\$251.35 \$426.00	+	\$0.00 \$0.00
x4 Service Vehicle -Axle, Truck 21,700 GVW, 4x2 (Cube Van)	33010109	\$135.50	day	1 200	\$0.00	2.0	\$271.00	+	\$0.00
emporary Office, 32' x 8'	99140102	\$263 22	month		\$0.00		\$0.00		\$0.00
emporary Storage Trailer, 16' x 8'	99140201	\$86 10	month		\$0.00		\$0.00	\perp	\$0.00
1,000-gallon Steel Holding Tank	19040407 No Echos	\$1,297 00 \$250 00	month	 	\$0.00 \$0.00		\$0.00 \$0.00	 	\$0.00 \$0.00
PS, Trimble GH (submeter accuracy) obcat	COBBC	\$25.25	hour	+	\$0.00	 	\$0.00	 	\$0.00
80 Case Extended Hoe, 4x4	CODEF	\$34 70	hour	†	\$0.00		\$0.00	 	\$0.00
AT 953, 4 in 1 bucket	CODLG	\$69 63	hour		\$0.00	L	\$0.00		\$0.00
ruck, Water, Off-Highway - dust suppression		\$32 23	hour		\$0.00		\$0.00		\$0.00
ruck, Off-Road, Rear Dump, 23T, 13-17CYD	COEIB	\$101 32	hour	 	\$0.00 \$0.00	20.0	\$0.00		\$0.00
emi Tractor -3-axle, 46,000 GVW owboy or Roll-off Trailer	XTRHC	\$43.95 \$21.28	hour		\$0.00	20.0	\$879.00 \$425.60	+	\$0.00 \$0.00
ir Compressor, 375 CFM, 100 PSI	CALDA	\$19.88	hour	40.0	\$795.20	20.0	\$0.00	+-1	\$0.00
ir Hose, 1", 100feet	CALDA	\$0 97	hour	40 0	\$38.80		\$0.00		\$0.00
ry Ice Blasting Machine	No Echos	\$3,000 00	month	0 25	\$750 00		\$0.00		\$0.00
ersonal Low Flow Sampling Pump	33 02 0314	\$212.89	month	 	\$0.00		\$0.00		\$0.00
mbient Air Monitor rash Pump - 3", 150 GPM	33 02 0315 17 03 1003	\$767 87 \$46.95	month day	50	\$0.00 \$234.75	}	\$0.00 \$0.00		\$0.00 \$0.00
	% %					1792	·	28	(mmm
ATERIALS PE-Disposable Nitrile Sample Gloves	33010423	Rate \$0.22	Units	Est. Units	Est. Cost \$0 00	Est. Units	Est. Cost \$0 00	Est. Units	\$0.00
PE-Disposable Millie Sample Gloves PE-Nitrile Work Gloves Gloves	No Echos	\$4 00	pair	20	\$8.00	20	\$8 00	 	\$0.00
PE-Disposable Coveralls (Tyvek/Polycoated)		\$6 83	each	20	\$13.66	2.0	\$13.66		\$0.00
PE-Disposable PVC Pull-over Booties	No Echos	\$8.00	pair	2.3	\$16.00	2.0	\$16 00		\$0.00
PE-Repirator Cartridges - HEPA/Metals	33 01 0406	\$15.36	pair	2 0	\$30 72	2.0	\$30.72		\$0.00
hower Towels, Disposable iry Ice - Comsumption Rate of 1,000 lbs/day	No Echos No Echos	\$48 00 \$0.30	pound	0.5 5000.0	\$24 00 \$1,500 00	0.5	\$24 00 \$0 00	 	\$0.00
rum Labels/DOT Markers	No Echos	\$1.50	each	3000.0	\$0.00	 	\$0.00	+	\$0.00
lanifests	No Echos	\$7 50	each		\$0.00		\$0.00		\$0.00
-mil Poly Bags (75 count)	No Echos	\$50 00	roll	10	\$50.00	1,0	\$50.00		\$0.00
mil Poly Sheeting (20' by 100')	No Echos	\$65.00	roll	<u>ــــــــــــــــــــــــــــــــــــ</u>	\$0.00	L	\$0.00	ل ريال	\$0.00
OTAL MATERIALS	W			f	\$1,642.38	July 1981	\$142,38	*********	\$0.00
RECT COSTS & FIELD PURCHASES (no	markup)	Rate	Units	Est. Units	Est. Cost	Est. Units	Est. Cost	Est. Units	Est. Cos
uel (Service Trucks & Equipment), Estimated	i @ \$4 25/gallon	\$4.25	gallons	60.0	\$255.00	200.0	\$850 00	25 0	\$106.25
Itilities (Electric, Phone, Internet)		\$250 00	Est /Month	1	\$0.00	ļ	\$0.00	-	\$0.00
otel er Diem		\$70 00 \$28 00	day day	12 0	\$840 00 \$420 00	 -	\$0.00 \$0.00	 	\$0 00 \$0 00
rer Diem Irinking Water, Job Trailer		\$40.00	Est /Month	1-130	\$0.00	 	\$0.00	+	\$0.00
ederal, State, County and Municipal Fees		\$1 00	Units		\$0.00		\$D 00		\$0.00
nalytical - Asbestos Sample Analysis		\$10.00	each	 	\$0.00	L	\$0.00	1	\$0.00
nalytical - Waste Profile Sample Analysis nalytical - Perimeter Air Sample Analysis		\$800 00 \$75 00	each each		\$0.00 \$0.00	 	\$0 00 \$0 00	+	\$0.00 \$0.00
malytical - Perimeter Air Sample Analysis malytical - Health & Safety Air Sample Analys	SIS .	\$75 00 \$75 00	each	+	\$0.00	 	\$0.00	+	\$0.00
nalytical - Surface & Storm Water Sample Ar		\$125 00	each	1	\$0.00		\$0.00		\$0.00
ampling Supplies (Sting, Ice, etc.)		\$50.00	each		\$0.00		\$0.00		\$0.00
hipping Charges for Samples/Documents		\$35 00	each Month	3 0	\$105.00	<u> </u>	\$0.00	8.0	\$280.00
Office Supplies/Copies by vendorsbestos Waste Disposal		\$200 00 \$58 00	CYD		\$0.00 \$0.00	 	\$0.00 \$0.00	+	\$0.00 \$0.00
OTAL DIRECT COSTS & FIELD PURCHAS	ES .		*3 6	4 1 2 2		1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1		1575	\$386.2
100		****					. · · · · · · · · · · · · · · · · · · ·		· ····································
UBCONTRACTORS		Te 3,000,001	0:-4:		T 2000				r
rivate Utility Locating Company		\$ 2,000 00 \$ 150 00	Quotes Est /Month	+	\$0.00	 	\$0.00		\$0.00 \$0.00
ortable Sanitation Services		\$ 2,200.00	Quotes	+	\$0.00	01	\$220.00	1	\$0.00
	/hr, 128 hr/wk	\$ 1,664 00	Week		\$0.00		\$0.00		\$0.00
lectrical Sub - Temp, Power Job Trailer ite Security Firm, Non-Working Periods, \$13/		\$ 13,000 00	Quotes	J	\$0.00	L	\$0.00		\$0.00
Portable Sanitation Services Electrical Sub - Temp, Power Job Trailer Site Security Firm, Non-Working Periods, \$13/ trandenburg-Mobilization			Quotes		\$0.00	 	\$0.00		\$0.00
lectrical Sub - Temp, Power Job Trailer site Security Firm, Non-Working Periods, \$13/ grandenburg-Mobilization grandenburg-Group 1 Buildings		\$ 83,200 00		1	\$0.00	}	\$0.00	+	\$0.00
electrical Sub - Temp, Power Job Trailer bite Security Firm, Non-Working Periods, \$130 brandenburg-Mobilization strandenburg-Group 1 Buildings brandenburg-Group 2 Buildings		\$ 279,000 00	Quotes		1 50.00			1	
lectrical Sub - Temp, Power Job Trailer site Security Firm, Non-Working Periods, \$13/ grandenburg-Mobilization grandenburg-Group 1 Buildings			Quotes Quotes Quotes	ļ	\$0.00 \$0.00	 			; SO 001
Electrical Sub - Temp, Power Job Trailer bite Security Firm, Non-Working Periods, \$130 frandenburg-Mobilization frandenburg-Group 1 Buildings frandenburg-Group 2 Buildings frandenburg-Group 3 Buildings frandenburg-Group 4 Buildings frandenburg-Rail		\$ 279,000 00 \$ 43,000 00 \$ 417,000 00 \$ 59,900 00	Quotes Quotes Quotes				\$0 00 \$0 00		
Electrical Sub - Temp, Power Job Trailer ite Security Firm, Non-Working Pennods, \$13/ randenburg-Mobilization Brandenburg-Group 1 Buildings Brandenburg-Group 2 Buildings Brandenburg-Group 3 Buildings Brandenburg-Group 4 Buildings Brandenburg-Group 4 Buildings Brandenburg-Brail/ Brandenburg-Brail/ Brandenburg-Demobilization		\$ 279,000 00 \$ 43,000 00 \$ 417,000 00 \$ 59,900 00 \$ 13,000 00	Quotes Quotes Quotes Quotes		\$0.00 \$0.00 \$0.00	10	\$0.00 \$0.00 \$13,000.00		\$0.00
Electrical Sub - Temp, Power Job Trailer itie Security Firm, Non-Working Penods, \$13/ randenburg-Mobilization Brandenburg-Group 1 Buildings irrandenburg-Group 2 Buildings irrandenburg-Group 2 Buildings irrandenburg-Group 3 Buildings irrandenburg-Group 4 Buildings irrandenburg-Rail irrandenburg-Rail irrandenburg-Demobikzation buantity - Putresobie		\$ 279,000 00 \$ 43,000 00 \$ 417,000 00 \$ 59,900 00 \$ 13,000 00	Quotes Quotes Quotes Quotes Estimate Tons		\$0.00 \$0.00 \$0.00 0	10	\$0.00 \$0.00 \$13,000.00 0		\$0.00 \$0.00 0
Electrical Sub - Temp, Power Job Trailer Bite Security Firm, Non-Working Penods, \$13/ Brandenburg-Mobilization Brandenburg-Group 1 Buildings Brandenburg-Group 2 Buildings Brandenburg-Group 3 Buildings Brandenburg-Group 3 Buildings Brandenburg-Group 4 Buildings Brandenburg-Group 4 Buildings Brandenburg-Brail Brandenburg-Brail Brandenburg-Demobilization Buantity - Putrescible Buantity - Non Putrescible		\$ 279,000 00 \$ 43,000 00 \$ 417,000 00 \$ 59,900 00 \$ 13,000 00 1	Quotes Quotes Quotes Quotes Quotes Estimate Tons Estimate CYD		\$0.00 \$0.00 \$0.00 0	10	\$0.00 \$0.00 \$13,000.00 0		0
lectrical Sub - Temp, Power Job Trailer ite Security Firm, Non-Working Periods, \$13/ randenburg-Mobilization trandenburg-Group 1 Buildings irandenburg-Group 2 Buildings irandenburg-Group 3 Buildings irandenburg-Group 4 Buildings irandenburg-Rail trandenburg-Rail trandenburg-Demobikzation buantity - Putrescible	5th day pricing	\$ 279,000 00 \$ 43,000 00 \$ 417,000 00 \$ 59,900 00 \$ 13,000 00	Quotes Quotes Quotes Quotes Quotes Estimate Tons Estimate CYD Estimate Tons		\$0.00 \$0.00 \$0.00 0	10	\$0.00 \$0.00 \$13,000.00 0		\$0.00 \$0.00 0

Illinois EPA, Work Order & Cost Proposal Structure Removal Eagle Zinc NPL Site, Hillsboro, Illinois Bodine Project Number 119855 HWA-6303, Proposal No. 08-0821 May 20, 2008

Appendix D

Project Assumptions

Brandenburg_® Industrial Service Company

2625 South Loomis Street Chicago, Illinois 60608-5414 Phone (312) 326-5800 (312) 326-5055 FAX

Brandenburg

www.Brandenburg.com

May 20, 2008

Mr. Stephen Nussbaum, P.E. Bodine Environmental Services, Inc. 5350 East Firehouse Road Decatur, IL 62521

Re: Eagle Zinc - Hillsboro, IL, Demolition Proposal

Steve:

Under the terms and conditions of this Agreement by and between Brandenburg Industrial Service Company (Brandenburg) and Bodine Environmental Services, Inc. (Customer), Brandenburg will provide all labor, material, equipment and supervision necessary to complete the removal work described herein:

- Project Description:
 - Site Name

Eagle Zinc

218 Industrial Park Drive

Design Function of Structures to be Removed

Former Zinc Oxide production facility

- Work by Brandenburg:
 - Brandenburg will remove the following structures:
 - 2.1.1 Group 1 Buildings:

Loafing Shed, U Shaped Building, Supply Building, South Supply Buildings 1, 2 and 3, H2SO4 Building

2.1.1.1	Total combustible debris to haul offsite:	340 tons
2.1.1.2	Total brick/concrete to haul onsite:	1,420 c.y.
2.1.1.3	Total scrap metal:	24 net tons

2.1,2 Group 2 Buildings:

Main Rotary Kiln Building including smoke stack and attached storage building and attached exterior bin walls. The main rotary kiln building foundation walls will be demolished to adjacent grade elevation. The earth fill present between the walls will be spread in the area.

2.1.2.1	Total combustible debris to haul offsite:	185 tons
2.1.2.2	Total brick/concrete to haul onsite:	3,812 c.y.
2.1.2.3	Total scrap metal:	648 net tons

2.1.3 Group 3 Buildings:

North Area Buildings including building with roof previously removed

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2.1.3.1	Total combustible debris to haul offsite:	41 tons
2.1.3.2	Total brick/concrete to haul onsite:	1,189 c.y.
2133	Total scrap metal:	46 net tons

2.1.4 Group 4 Buildings:

Northeast Oven Building, Fan Buildings 1, 2, 3, and 4, Center Building with outdoor hopper structure, Fan Belt Building, American Kiln Building, American Kiln Support Buildings including attached Butler Building and 2-Story Warehouse, Southeast Hopper Building, Southeast Open Hopper Building, Southeast Kiln Building, H2SO4 AST, AST – 20' diameter on piers, Site duct conveyor between Main Rotary Kiln Building and Fan Buildings, Site Telephone/electric poles

2.1.4.1	Total combustible debris to haul offsite:	519 tons
2.1.4.2	Total brick/concrete to haul onsite:	4,415 c.y.
2.1.4.3	Total scrap metal:	1584 net tons

- 2.2 Brandenburg will remove these structures down to the top of the slab on grade or equipment base elevations. Perimeter foundation walls which extend above the slab on grade will be demolished to the slab on grade elevation.
- 2.3 Brandenburg will remove, load, haul and legally dispose of the metallic and combustible debris generated by this work.
- 2.4 Brandenburg will process the concrete generated by this work to a 12" and under size, reasonably free of reinforcing steel. Brandenburg will load, truck, dump and spread the brick and concrete debris generated by this work at the onsite landfill location as directed by Customer. We estimate that we will move 11,000 cubic yards of brick and concrete to the landfill area.
- 3. Licenses, Permits, Regulations and Insurance
 - 3.1 Brandenburg will secure all necessary licenses and Notifications required to perform the work. The pricing for this proposal is predicated on the city of Hillsboro waiving local demolition permit fees.
 - 3.2 Brandenburg will maintain Workers Compensation, General Liability, Asbestos Liability, Environmental Impairment and Automobile Liability Insurance with a combined single limit of \$50,000,000.00.
 - 3.3 Brandenburg will remove, load, transport and dispose of only those materials and substances specifically captioned in this Agreement. Brandenburg will not be responsible for the identification, removal, transportation or disposal of any other substance that is controlled or regulated by any law, statute, ordinance or regulation or any substance designated as a hazardous waste or hazardous substance under the Resource Conservation and Recovery Act ("RCRA') or the Comprehensive Environmental Response, Compensation and Liability Act ("CERCLA") or both.
- 4. Work by Customer:

2625 South Loomis Street Chicago, Illinois 60608-5414 Phone (312) 326-5800 FAX (312) 326-5055 www.brandenburg.com

Customer agrees to perform the following in a timely manner so as not to impede the progress of Brandenburg's work described herein:

- 4.1 Unless otherwise provided herein, identify, remove and dispose of any substance that is controlled or regulated by any law, statute, ordinance or regulation or any substance designated as a hazardous waste or hazardous substance under the Resource Conservation and Recovery Act (RCRA) or the Comprehensive Environmental Response, Compensation and Liability Act (CERCLA) or both.
- 4.2 Identify any controlled or regulated substances located within the work area. Provide Brandenburg with Material Safety Data Sheets as required by all applicable laws, statutes, ordinances and regulations.
- 4.3 Authorize Brandenburg to utilize any or all of the following equipment and/or devices to complete the work described in this Agreement:

Oxygen cutting torches

Hydraulically powered breakers

Explosives (for stack only)

- 4.4 Authorize Brandenburg to operate heavy equipment and trucks throughout the work area.
- 4.5 Customer will perform all environmental cleaning of existing process equipment.
- 4.6 Customer will perform the onsite trucking of demolition debris which will remain onsite.
- 5. Contract Conditions:

The Customer and Brandenburg agree that:

- 5.1 Brandenburg and Customer shall occupy the entire work area exclusively upon the commencement of Brandenburg's work. Brandenburg shall not be responsible for the safety of any person who enters the work area unless such person has been specifically authorized by Brandenburg to enter the work area.
- 5.2 This proposal does not include the removal, handling, transportation or disposal of the following:
 - 5.2.1 Lead abatement of any nature
 - 5.2.2 Hazardous wastes
 - 5.2.3 Slabs on grade
 - 5.2.4 Below grade foundations
 - 5.2.5 Underground Storage Tanks
 - 5.2.6 Contaminated Soil
 - 5.2.7 Asbestos containing materials these materials will be abated on a negotiated basis once the extent of the abatement is known.

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- 5.2.8 PCB containing equipment, PCB contaminated building materials, PCB contaminated soil.
- 5.3 Brandenburg will schedule work on a minimum 5 day per week, 10 hour per day basis.
- 5.4 Brandenburg will complete all work within 100 calendar days after the commencement of onsite work.
- 5.5 Customer will convey to Brandenburg all rights to, title to and interest in all scrap metal that is currently located within the dismantling area.

6. Payment:

6.1 Brandenburg will perform the work described in this agreement for and in consideration of receiving from Customer title to all salvage and payment in the total amounts listed below under the heading "Contract". Payment for all work completed in any calendar month shall be made to Brandenburg prior to the 30th day of the following calendar month without exception or retention whether or not Customer has received payment from any other party.

The "Contract" amount will be adjusted based on the actual tonnage and scrap value at the time the scrap metal is shipped. The credit per ton will be calculated based on the current Unit Scrap Credit listed below adding (or subtracting) the relative change from the current American Metal Market (AMM) 5th day pricing to the pricing of the AMM 5th day of the month the scrap is shipped. The current AMM 5th day price is \$420 per net ton for No. 1 Heavy Melt. The pricing is also based on Net tons (2,000 lbs) in lieu of Gross Tons (2240 lbs).

6.2 The pricing is broken down as follows:

Item		:	Unit redit	Estimated Tonnage	Т	otal Scrap	
No.	Description	Contract	\$ Crap	Scrap Metal		Credit	Net
6.2.1	Mobilization/Demob	\$ 25,000				_	\$ 25,000
6.2.2	Group 1 Buildings	\$ 83,200	\$ 280	24	\$	6,720	\$ 76,480
6.2.3	Group 2 Buildings	\$ 279,000	\$ 280	648	\$	181,440	\$ 97,560
6.2.4	Group 3 Buildings	\$ 43,000	\$ 280	46	\$	12,880	\$ 30,120
6.2.5	Group 4 Buildings	\$ 417,000	\$ 280	1584	\$	443,520	\$ (26,520)
6.2.6	Site Rail/Tie Removal	\$ 59,900	\$ 280	255	\$	71,400	\$ (11,500)
	total	\$ 907,100.00		2302	\$	715,960.00	\$ 191,140.00

2625 South Loomis Street Chicago, Illinois 60608-5414 Phone (312) 326-5800 FAX (312) 326-5055 www.brandenburg.com

Acceptance:

This Agreement shall remain an offer for acceptance by Customer for a period of thirty days and such offer shall be terminated thereafter

The undersigned principals warrant that they are the owners or duly authorized agents thereof and that pursuant thereto they have the authority to contract as herein provided.

PROPOSED:			ACCEPTED:			
Brande	nburg Industrial Service Company		Bodine Environmental Services, Inc.			
by	Tin R. Gar	by				
name	TIA R. GARVEY	name				
title	ESTIMATOR	title				
date	5/20/08	date				